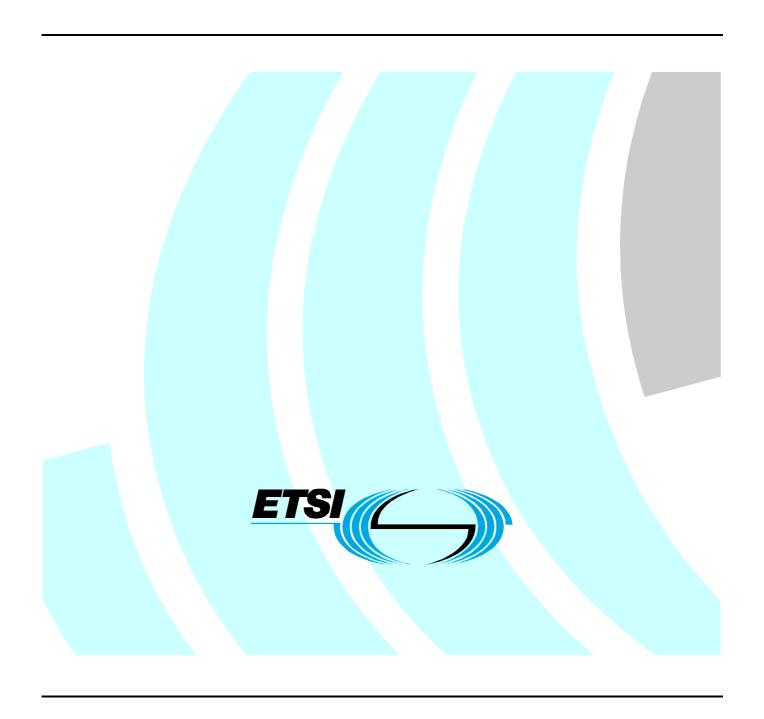
ETSI SR 000 314 V1.10.1 (2003-06)

Special Report

Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards



Reference
RSR/IPRC-00008

Keywords
IPR

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Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://webapp.etsi.org/IPR/home.asp).

Foreword

The present document identifies, patents and patent applications which have been notified to ETSI as being Essential, or Potentially Essential, to ETSI Standards.

The present document has been prepared on the basis of information received. ETSI has not checked the validity of the information, nor the relevance of the identified patents/patent applications to the ETSI Standards and cannot confirm, or deny, that the patents/patent applications are, in fact, Essential, or potentially Essential. No investigation, or IPR searches, have been carried out by ETSI and therefore no guarantee can be given concerning the existence of other IPRs which are, or may become, Essential.

It should also be noted that whilst ETSI members are not obliged to conduct IPR searches they are obliged to make reasonable efforts to inform ETSI of any Essential IPRs of which they become aware (see article 4 of the ETSI IPR Policy).

The present document will be maintained by the ETSI Secretariat and further editions will be issued as, and when, necessary. Any errors in the information contained in the present document, or any additional information concerning Essential IPRs, of which readers of the present document become aware, should be notified to the ETSI Secretariat (for the attention of the Legal Service).

NOTE: The present document is also available at http://webapp.etsi.org/IPR.

1 Scope

The present document identifies IPRs, particularly patents and patent applications, which have been notified to ETSI as being Essential, or potentially Essential, to ETSI Standards.

Unless otherwise specified, all IPRs included into the present database have been notified to ETSI, with an undertaking from the owner to grant licences according to the terms and conditions of article 6.1 of the ETSI IPR Policy, annex 6 of the ETSI Rules of Procedure. The ETSI IPR Policy can be found at http://portal.etsi.org/directives/.

2 Definitions and abbreviations

2.1 Definitions

The terms "ESSENTIAL", "IPR" and "STANDARD" given below are defined in the "Definitions" annex of the ETSI IPR Policy.

ESSENTIAL: as applied to IPR means that it is not possible on technical (but not commercial) grounds, taking into account normal technical practice and the state of the art generally available at the time of standardization, to make, sell, lease, otherwise dispose of, repair, use or operate EQUIPMENT or METHODS which comply with a STANDARD without infringing that IPR

For the avoidance of doubt in exceptional cases where a STANDARD can only be implemented by technical solutions, all of which are infringements of IPRs, all such IPRs shall be considered ESSENTIAL.

NOTE: In practical terms, the existence of an Essential IPR makes it necessary to have a licence in order to exploit the standard concerned.

IPR: shall mean any intellectual property right conferred by statute law including applications therefore other than trademarks

For the avoidance of doubt rights relating to get-up, confidential information, trade secrets or the like are excluded from the definition of IPR.

STANDARD: shall mean any standard adopted by ETSI including options therein or amended versions and shall include European Standards (ENs) (telecommunications series), ETSI Standards (ESs), Common Technical Regulations (CTRs) which are taken from ENs (telecommunications series) and including drafts of any of the foregoing, and documents made under the previous nomenclature, including ETSs, I-ETSs, parts of NETs and TBRs, the technical specifications of which are available to all MEMBERS, but not including any standards, or parts thereof, not made by ETSI

The date on which a STANDARD is considered to be adopted by ETSI for the purposes of this POLICY shall be the date on which the technical specification of that STANDARD was available to all MEMBERS.

The following definitions also apply:

notified: means any IPR information of which ETSI has been formally notified by the owner of the IPR or, any IPR information of which ETSI has become aware, pursuant to the IPR Policy

IPR licensing declaration: this is a declaration to the effect that the IPR owner declares that he is prepared to grant licences on fair, reasonable and Non-discriminatory terms, in accordance with article 6.1 of the ETSI IPR Policy

3GPP standards: all standards issued by ETSI in relation to 3rd Generation Partnership Project (3GPP)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

BRAN standards: all standards issued by ETSI Project Broadband Radio Access Networks (BRAN)

NOTE: From http://portal.etsi.org/, click on the "BRAN" tab.

DAB standards: all standards issued by ETSI in relation to Digital Audio Broadcasting (DAB)

NOTE: See http://portal.etsi.org/broadcast/dab.asp.

DCS 1800 standards: all standards issued by ETSI in relation to European Cellular Digital - Global System for Mobile Communication - DCS 1800 extensions

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

DECT standards: all standards issued by ETSI in relation to Digital European Cordless Telephone (DECT), also known as Digital Enhanced Cordless Telephone (DECT)

NOTE: From http://portal.etsi.org/, click on the "DECT" tab.

DTM standards: all standards issued by ETSI in relation to Dynamic Transfer Mode (DTM)

NOTE: See http://portal.etsi.org/span/kta/DTM/dtm.asp.

DVB standards: all standards issued by ETSI in relation to Digital Video Broadcasting (DVB)

NOTE: See http://portal.etsi.org/broadcast/kta/DVB/dvb.asp.

DECT/GSM interworking standards: all standards issued by ETSI in relation to interworking between DECT and GSM

ERMES standards: all standards issued by ETSI in relation to European Radio Messaging System (ERMES)

NOTE: From http://portal.etsi.org/, click on the "ERM" tab.

GPRS standards: all standards issued by ETSI in relation to General Packet Radio Service (GPRS)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

GSM standards: all standards issued by ETSI in relation to European Cellular Digital - Global System for Mobile Communication (GSM)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

HDSL standards: all standards issued by ETSI in relation to High bit rate Digital Subscriber Line (HDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

HIPERLAN standards: all standards issued by ETSI in relation to High Performance Radio Local Area Network (HIPERLAN)

NOTE: See http://portal.etsi.org/bran/kta/Hiperlan/hiperlan1.asp and http://portal.etsi.org/bran/kta/Hiperlan/hiperlan1.asp and http://portal.etsi.org/bran/kta/Hiperlan/hiperlan1.asp and http://portal.etsi.org/bran/kta/Hiperlan/hiperlan2.asp.

ISDN standards: all standards issued by ETSI in relation to Integrated Services Digital Network (ISDN)

NOTE: From http://portal.etsi.org/, click on the "SPAN" tab.

Lawful Interception (LI) standards: all standards issued by ETSI in relation to Lawful Interception (LI)

NOTE: See http://portal.etsi.org/li/Summary.asp.

PSTN standards: all standards issued by ETSI in relation to Public Switched Telephone Network (PSTN)

NOTE: From http://portal.etsi.org/, click on the "AT" tab.

SDSL standards: all standards issued by ETSI in relation to Symmetrical Digital Subscriber Line (SDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

STAG standards: all standards issued by ETSI in relation to Security Techniques Advisory Group (STAG)

NOTE: From http://portal.etsi.org/, click on the "SEC" tab.

Television systems standards: all standards issued by ETSI in relation to TV broadcasting systems

NOTE: From http://portal.etsi.org/, click on the "BROADCAST" tab.

TETRA standards: all standards issued by ETSI in relation to Trans-European Trunked Radio (TETRA)

NOTE: From http://portal.etsi.org/, click on the "TETRA" tab.

TFTS standards: all standards issued by ETSI in relation to Terrestrial Flight Telecommunication System (TFTS)

NOTE: From http://portal.etsi.org/, click on the "ERM" tab.

TIPHON standards: all standards issued by ETSI in relation to Telecommunications And Internet Protocol Harmonization Over Networks (TIPHON)

NOTE: From http://portal.etsi.org/, click on the "TIPHON" tab.

UMTS standards: all standards issued by ETSI in relation to Universal Mobile Telecommunications System (UMTS)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

VDSL standards: all standards issued by ETSI in relation to Very high speed Digital Subscriber Line (VDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

2.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AD Andorra

AE United Arab Emirates

AF Afghanistan

AG Antigua and Barbuda

AI Anguilla AL Albania AM Armenia

AN Netherlands Antilles

AO Angola AQ Antartica AR Argentina

ARIPO African Regional Intellectual Property Organization

AS American Samoa

AT Austria
AU Australia
AW Aruba
AZ Azerbaijan

BA Bosnia and Herzegovina

BB Barbados BD Bangladesh Belgium BEBFBurkina Faso BG Bulgaria BHBahrain BIBurundi BJBenin BMBermuda

BN Brunei Darussalam

BO Bolivia Brazil BR **Bahamas** BSBTBhutan **Bouvet Island** BVBW Botswana BYBelarus Belize BZCanada CA

CC Cocos (Keeling) Islands

CF Central African Republic

CG Congo Switzerland CH Côte d'Ivoire CI CK Cook Islands CLChile CM Cameroon CN China CO Colombia CR Costa Rica CU Cuba CVCape Verde CXChristmas Island

CY Cyprus

CZ Czech Republic
DE Germany
DJ Djibouti
DK Denmark
DM Dominica

DO Dominican Republic

DZ Algeria

EAPO Eurasian Patent Office

EC Ecuador EE Estonia EG Egypt

EH Western Sahara

EPC European Patent Convention EPO European Patent Office

ER Eritrea
ES Spain
ET Ethiopia
EU European Union

FI Finland FJ Fiji

FK Falkland Islands (Malvinas)
FM Micronesia (Feder. States Of)

FO Faroe Islands FR France

FX France, Metropolitan

GA Gabon

GB United Kingdom

GD Grenada
GE Georgia
GF French Guiana
GU Chara

GH Ghana
GI Gibraltar
GL Greenland
GM Gambia
GN Guinea
GP Guadeloupe
GQ Equatorial Guinea

GR Greece

GS So. Georgia And So. Sandwich

GT Guatemala
GU Guam
GW Guinea-Bissau
GY Guyana
HK Hong Kong

HK Hong Kong HM Heard And Mcdonald Islands

HN Honduras HR Croatia HT Haiti HU Hungary
ID Indonesia
IE Ireland
IL Israel
IN India

IO British Indian Ocean Territory IPC International Patent Convention

IQ Iraq

IR Iran (Islamic Republic Of)

IS Iceland IT Italy JM Jamaica JO Jordan JP Japan KE Kenya KG Kyrgyzstan Cambodia KH Kiribati ΚI KM Comoros

KN Saint Kitts And Nevis

KP Korea, Dem. People's Rep. Of

KR Korea, Republic Of

KW Kuwait

KY Cayman Islands KZ Kazakhstan

LA Lao People's Dem. Rep.

LB Lebanon LC Saint Lucia LI Liechtenstein LK Sri Lanka LR Liberia LS Lesotho LT Lithuania LU Luxembourg LV Latvia

LY Libyan Arab Jamahiriya

MA Morocco MC Monaco

MD Moldova, Republic Of

MG Madagascar
MH Marshall Islands
MK Macedonia
ML Mali
MM Myanmar
MN Mongolia
MO Macau

MP Northern Mariana Islands

MQ Martinique MR Mauritania MS Montserrat MT Malta Mauritius MU Maldives MV MW Malawi MX Mexico MY Malaysia Mozambique MZNamibia NA New Caledonia NC

NE Niger

NF Norfolk Island NG Nigeria NI Nicaragua
NL Netherlands
NO Norway
NP Nepal
NR Nauru
NU Niue

NZ New Zealand

OAPI African Intellectual Property Organization

OM Oman PA Panama

PCT Patent Cooperation Treaty

PE Peru

PF French Polynesia PG Papua New Guinea

PH Philippines
PK Pakistan
PL Poland

PM Saint Pierre Et Miquelon

PN Pitcairn PR Puerto Rico PT Portugal PW Palau PY Paraguay QA Qatar RE Réunion RO Romania

RU Russian Federation

RW Rwanda SA Saudi Arabia SBSolomon Islands SC Seychelles SD Sudan SE Sweden SG Singapore SH Saint Helena SI Slovenia

SJ Svalbard And Jan Mayen

SK Slovakia
SL Sierra Leone
SM San Marino
SN Senegal
SO Somalia
SR Suriname

ST Sao Tome And Principe

SV El Salvador

SY Syrian Arab Republic

SZ Swaziland

TC Turks And Caicos Islands

TD Chad

TF French Southern Territories

TG Togo TH Thailand TJ Tajikistan Tokelau TK Turkmenistan TMTNTunisia TO Tonga TP East Timor TR Turkey

TT Trinidad And Tobago

TV Tuvalu

TW Taiwan, Province Of China

TZ Tanzania, United Republic Of

UA Ukraine UG Uganda

UM U.S. Minor Outlying Islands

US United States
UY Uruguay
UZ Uzbekistan
VA Vatican City State

VC Saint Vincent And Grenadines

VE Venezuela

VG Virgin Islands (British) VI Virgin Islands (U.S.)

VN Viet Nam VU Vanuatu

WF Wallis And Futuna Islands

WS Samoa YE Yemen YT Mayotte YU Yugoslavia ZA South Africa Zambia ZM ZR Zaire ZW Zimbabwe

3 Notified IPRs

ETSI has not undertaken any patent family searches in respect of the identified patents/patent applications. It should be assumed that, if any other corresponding patents, or patent applications exist, which are not listed in the present document, then licences in respect of such rights will not be covered by the Licensing Declarations.

The Licensing Declarations given for the IPRs listed in the present document may be made subject to the condition that those who seek licences agree to reciprocate.

3.1 Notifications

Essential, or potentially Essential, IPRs in respect of which a Notification followed by a Licensing Declaration has been given by the IPR owner and for which licences are available on fair, reasonable and Non-discriminatory terms, in accordance with article 6.1 of the ETSI IPR Policy, annex 6 of the ETSI Rules of Procedure. The ETSI IPR Policy can be found at http://portal.etsi.org/directives/.

NOTE: IPR Information statement and Licensing Declaration forms can be found at http://webapp.etsi.org/IPR.

3GPP

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real Time Communications

Country of registration: TW
Application no.: 87103172
Patent no.: 106088
Countries applicable: TW
ETSI Deliverable: TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real Time Communications

Country of registration: TW
Application no.: 09/116,681

Patent no.: Countries applicable: US

Countries applicable: US ETSI Deliverable: TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title: A Code Management System and Method for CDMA Communication Networks

Country of registration: TW 09/234,871

Patent no.:

Countries applicable: US

ETSI Deliverable: TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title: A Code Management System and Method for CDMA Communication Networks

Country of registration: TW

Country of registration: TW 88104305
Patent no.: TW 88104305
Countries applicable: TW TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real-Time Communications

Country of registration: TW 09/116,681 Patent no.:

Countries applicable:

ETSI Deliverable: TS 125 922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real-Time Communications

Country of registration: TW
Application no.: 87103172
Patent no.: 106088
Countries applicable: TW
ETSI Deliverable: TS 125 922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

CCL/ITRI Company name: Project: 3GPP

Title: A Code Management System and Method for CDMA Communication Networks

Country of registration: TW Application no.: 09/234,871

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 125 922

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: CCL/ITRI Project: 3GPP

Title:

A Code Management System and Method for CDMA Communication Networks

Country of registration: Application no.:

88104305

Patent no.: Countries applicable:

ETSI Deliverable:

TS 125 922

Notes:

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Cisco Systems

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

Relevant Patent applications are unpublished

3GPP

ETSI Deliverable:

Work Item No.: WID REL-6 BB (BB1); ETSI TS 132 225

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Media Farm Inc.

Project:

Patent no.:

3GPP

Remote Displays in Mobile Communication Networks Title: US

Country of registration: Application no.:

09/863,425 pending PCT, US

Countries applicable: ETSI Deliverable:

3G TS 22.057: 3G TS 23.057

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Mitsubishi Electric Corporation

Project:

3GPP

Title:

Data Conversion Apparatus and Data Conversion Method

Country of registration:

Application no.:

JP

Patent no.:

PCT/JP96/02154

Countries applicable: ETSI Deliverable:

AU, BE, CA, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, KR, NL, NO, SE, SG, US

Notes:

This declaration (the DECLARATION) is given this 8th day of October 1999, by Suketaka Tachibana, General Manager, Corporate Licensing Department (the SIGNATORY), of Mitsubishi Electric Corporation to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE of Sophia Antipolis France (ETSI). The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in Appendix A and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed in Appendix A (the STANDARD). The SIGNATORY and/or AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The construction, validity and performance of this DECLARATION shall be governed by the laws of France.

Project: 3GPP

Title: METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: IN

Application no.: 1089/DEL/97 Patent no.:

Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Country of registration: IL

Country of registration: Application no.:

120574

Countries applicable:

Patent no.:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 1199/DEL/1997

Patent no.:

Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: RADIOTELEPHONE SUBSCRIBER UNIT AND METHOD OF SYSTEM ACCESS FOR THE UNIT

Country of registration: JP
Application no.: 1-194462
Patent no.: 2133811

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: IL
Application no.: 119226
Patent no.: 119226
Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103: ETSI TS 121 103: 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: 1120/DEL/88 Patent no.: 175516 Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: IN

Application no.: 1078/DEL/91 Patent no.: 183937 Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title.

Country of registration: US Application no.: 107227 Patent no.: 5029233 Countries applicable: US

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: Application no.:

Patent no.:

Title:

10-537628

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DUAL MODE RADIO RECEIVER WITH SCANNING CAPABILITY Title:

Country of registration: US Application no.: 124210 Patent no.: 4872204 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2001-7008819

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

JΡ Country of registration: Application no.: 1-501498 Patent no.: 2757515 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

> **SYSTEM** KR

Country of registration: Application no.:

10-2002-7000181 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: Ш Application no.: 130615

Patent no.:

Countries applicable: IL

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title: IL

Country of registration: Application no.:

Notes:

133862

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 137059 Patent no.: Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration:

Application no.: 10-2001-7001734

Patent no.:

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: US Application no.: 149245 Patent no.: 4833701 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7001036

Patent no.: Countries applicable:

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

CELLULAR TELEPHONE SYSTEM

Country of registration: JΡ Application no.: 1-59863 Patent no.: 2079947 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: MX Application no.: 16790 Patent no.: 166679 Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: US Application no.: 170960 Patent no.: 4887265 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title.

Country of registration: ΑU Application no.: 17584/97 Patent no.: 689403 Countries applicable: ΑU

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: ΑU Application no.: 17828/97 Patent no.: 723992 Countries applicable: ΑU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

DK

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: DK Application no.: 1852/89

Patent no.:

Countries applicable: **ETSI Deliverable:** GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: DE

Application no.: 19681070.1 Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: AU
Application no.: 14565/92
Patent no.: 658402
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:EPOApplication no.:96110155.7Patent no.:EP0746172Countries applicable:EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM

DEDICATED MODE

Country of registration: US
Application no.: 09/599492
Patent no : 642/637

Patent no.: 6424637 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DK
Application no.: 0921/93
Patent no.: 173808
Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: 100871 Application no.: Patent no.: 100871 Ш

Countries applicable: **ETSI Deliverable:** GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: CN

Application no.: 96191426.2 Patent no.: ZL9619426.2 Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title:

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: FR Application no.: 9612357 Patent no.: Countries applicable: FR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Title: Country of registration: CH Application no.:

96110155.7 EP0746172 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: SF

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: NI

Application no.: 96110155.7 Patent no.: EP0746172 NL

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title: IT

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: DE

Application no.: 96110155.7 Patent no.: 68929365.8 Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration:

Application no.: 10-2000-7011192

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS OF VOICE PACKET COMMUICATIONS Title:

Country of registration: KR

Application no.: 10-2001-7001230

Patent no.: Countries applicable:

KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable:

Title:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: AT

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: ΑT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: IL
Application no.: 101044
Patent no.: 669127
Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: KR

Application no.: 10-1997-704788

Patent no.: 286719
Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

KR

Country of registration:

Application no.: 10-1997-708134 **Patent no.:** 10-288855

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: KR

 Application no.:
 10-1999-19337

 Patent no.:
 10-310811

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-1999-7007740

Patent no.: 10-333464

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration:

Application no.: 2000-563080 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 10-2000-7008055 Patent no.: 10-344600 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title:

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: Application no.:

2,379,122

CA

Patent no.:

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION Title:

SYSTEM

Country of registration: KR

Application no.: 10-2000-7012413

Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.: 10-2000-7015028

Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: US Application no.: 485408 Patent no.: 5228029 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP Title.

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: ΑU Application no.: 24278/88 Patent no.: 613970 Countries applicable: ΑU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: JΡ Application no.: 2-509641 3268360 Patent no.:

Countries applicable: JΡ

Title:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: Application no.: Patent no.:

AU 27606/01

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: ΑU Application no.: 29335/89 Patent no.: 618068 Countries applicable: ΑU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

A RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/DATA SIGNALLING Title:

Country of registration: US Application no.: 310013 Patent no.: 4876740 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: Application no.:

327618 Patent no.:

Countries applicable: AR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: TH Application no.: 34157

Patent no.:

ΤH

AR

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: JΡ Application no.: 3-512685 Patent no.: 2750638 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: Application no.: 402958 Patent no.: 5097508 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: JΡ Application no.: 4-507288 Patent no.: 2987935 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

A SPREAD SPECTRUM CHANNEL APPARATUS AND METHOD OF COMMUNICATION Title.

Country of registration: JP Application no.: 4-507304 Patent no.: 2632596 Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION Title:

SYSTEM

Country of registration: JΡ

Application no.: 2000-548965

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: CA Application no.: 480561 Patent no.: 1231383 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: CA
Application no.: 2318271
Patent no.:
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CA
Application no.: 486521
Patent no.: 1230648
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/DATA AND EMBEDDED

SIGNALLING

Country of registration: CA
Application no.: 514356
Patent no.: 1259659
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPF

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CA
Application no.: 539748
Patent no.: 1238689
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: CA
Application no.: 574300
Patent no.: 1307828
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD OF OPERATING A SYSTEM INCLUDING A CENTRAL STATION AND A PLURALITY OF

INDIVIDUAL REMOTE STATIONS A SYSTEM AND A REMOTE STATION

Country of registration: DK
Application no.: 5760/87
Patent no.: 165273
Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:CAApplication no.:586769Patent no.:1309480Countries applicable:CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:
AU
Application no.:
59525/90
Patent no.:
634795
Countries applicable:
AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA. SG

Country of registration: SG Application no.: EP0269643 Patent no.: 9790338-9

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: A TWO WAY PERSONAL MESSAGE SYSTEM WITH EXTENDED COVERAGE

Country of registration: JP
Application no.: 60-502214
Patent no.: 1782034
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

NOISE SUPPRESSION SYSTEM Title: JP

Country of registration:

Application no.: 61-502908 Patent no.: 2714656 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

Country of registration: US Application no.: 626227 Patent no.: 5239294 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: JΡ Application no.: 63-507748 1941842 Patent no.: Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIO TELEPHONE

Country of registration: ΑIJ Application no.: 46345/85 Patent no.: 577742 Countries applicable: ΑU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2077343-0 Patent no.: 2077343 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.: 2000-505701 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: JP

Application no.: 2000-529091

Patent no.:

Countries applicable: .IP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title:

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: 2000-542864

Application no.:

Patent no.: Countries applicable:

JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR ENCODING MUSIC INTO SEVEN-BIT CHARACTERS THAT CAN BE Title:

COMMUNICATED IN AN ELECTRONIC MESSAGE

Country of registration: LIS

Application no.: 09/580739 Patent no.: 6291756

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: JΡ

2000-557556 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/293448 Patent no.: 6453291

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration: JP

Application no.: 2000-565617

Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: JP

Application no.: 2000-594212

Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM

Country of registration: JP

Application no.: 2001-510175 Patent no.:

Countries applicable:

ETSI Deliverable: G

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: JP

Application no.: 2001-552658

Patent no.:

ΙP

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: CA
Application no.: 2021508-9
Patent no.: 2021508

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: IE
Application no.: 2029/89
Patent no.: 62007
Countries applicable: IE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: NZ
Application no.: 241673
Patent no.: 241673
Countries applicable: NZ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: GE Application no.: 2061 Patent no: 1765

Patent no.: 1765
Countries applicable: GE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: CA

Application no.: 2336307

Patent no.:

ent no.:

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: CA Application no.: 2087433 Patent no.: 2087433 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: CA Application no.: 2100753 Patent no.: 2100753 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title:

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration:

Application no.: 2122/DEL/1996

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2134230 Patent no.: 2134230 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: MX Application no.: 21980 Patent no.: 167644 Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: CA Application no.: 2202829

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: CA Application no.: 2203917 Patent no.: 2203917 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM Country of registration: CA Application no.: 2220068

Patent no.: 2220068 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: US Application no.: 225337 Patent no.: 4905301

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.: Patent no.:

CA 2281696

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2298647

Patent no.:

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

2000104849

RU

Patent no.:

Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title.

Country of registration: CA Application no.: 2037899-9 Patent no.: 2037899

Countries applicable: CA **ETSI Deliverable:**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: CN

Application no.: 98807782.5

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM Title:

DEDICATED MODE

Country of registration:

PCT

Application no.:

PCT/US01/18121

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: BR **Application no.:** 9909481-9

Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM BR

Country of registration: Application no.:

PI0012234-3

Patent no.:

Countries applicable: B

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: BR **Application no.:** 9904633-4

Patent no.:

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

BR

Country of registration: BR

Application no.: PI0107467-9 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration:EPOApplication no.:98967150.8Patent no.:EP1228590Countries applicable:EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: PI8807880 Patent no.: PI8807880-9

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: **EPO** Application no.: 98966754.8 Patent no.: EP1053613

EPO Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration:

Application no.:

MY PI9400441

Patent no.:

Countries applicable:

MY

ETSI Deliverable: GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

EPO Country of registration: Application no.: 98901181.2 Patent no.:

Countries applicable:

EPO

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration:

Application no.: PI9607249-0 Patent no.: 9607249-0 BR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS THEREFOR

Country of registration: Application no.: 09/415168

Patent no.: 6192256 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS Title:

Country of registration: **BR**

Application no.: PI9912272-3

Patent no.:

Notes:

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.:

9911629-4

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

Title: METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration: RR

Application no.: PI9912642-7 Patent no.:

Countries applicable:

BR ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration:

CN Application no.: 98802467.5

Patent no.:

CN

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM

Country of registration:

Application no.: PI9915856-6

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

3GPP

BR

Title:

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: Application no.:

9814785-4

Patent no.:

Countries applicable:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

MOTOROLA 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: BR

Application no.:

Patent no.:

PI9916802-2

Countries applicable:

ETSI Deliverable:

BR GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration:

BR

Application no.:

9810855-7

Patent no.: Countries applicable:

BR

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration:

IT

Application no.: Patent no.:

RM92A000119

Countries applicable:

1258355

ETSI Deliverable:

ΙT

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration:

Application no.: 98104250.0 Patent no.: HK1005112 Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROL A Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: SF

Application no.: SE9302618-5 Patent no.: 516082 Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title.

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: HK Application no.: 98102904.4 HK1003856 Patent no.:

Countries applicable: HK

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: SF

Application no.: SE9403860-1

Patent no.:

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title: **BR**

Country of registration: Application no.:

9807369-9

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 98813292.3 Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project: Title:

METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS

Country of registration: Application no.:

99956911.4

Patent no.:

EPO

CN

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: SG

Application no.: EP0226613 9790286-0 Patent no.: Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: HK

Application no.: EP0310876 Patent no.: 188/1997

Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: HK

Application no.: EP0226613 Patent no.: 192/1997 Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: SG

Application no.: EP0310876 Patent no.: 9790287-8

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: SG Application no.: EP0179898 Patent no.: 9090304-8

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: HK

Application no.: EP0352786 Patent no.: 349/1997 Countries applicable: HK

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: AT Application no.: A9006/92 Patent no.: 407812

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: SG Application no.:

EP0352786 9790285-2

Patent no.: Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: Application no.: 99968544.9 Patent no.: EP1145466 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: HK Application no.: EP0352786 Patent no.: 349/1997 Countries applicable: ΗK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: **EPO** Application no.: 99964050.1 Patent no.: EP1135867 Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: IN

Application no.: IN/PCT/2002.00901

Patent no.:

Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: BR Application no.: 9910263-3

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: PLP-306002 Application no.: Patent no.: 174713 Countries applicable: PL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration:

Application no.: PCT/US01/00256

Patent no.:

Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title: DE

Country of registration:

Application no.: Patent no.:

P4244920.0

Countries applicable:

DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 99935337.8

Patent no.: EP1092273 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DE

Application no.: P4290392.0 Patent no.: P4290392

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration: EPO

Application no.: 99930342.3 Patent no.: EP1104600 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project: Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: HU Application no.: P9302299 Patent no.: 216677 Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM Title:

Country of registration: **EPO** Application no.: 99914262.3 EP1070394 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: HU Application no.: P9700908 Patent no.: 218.636 Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: **EPO** Application no.: 99913836.5 Patent no.: EP1080544 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: Application no.: P9800843 Patent no.: 219255 Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.: 99808117.5 Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration:

Application no.:

MX PA/A/2002/006696

CN

Patent no.:

MX

Countries applicable: ETSI Deliverable:

GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: FI Application no.: 972852 Patent no.:

Countries applicable:

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS Title:

Country of registration: **EPO** Application no.: 99963155.9 Patent no.: EP1101368

Countries applicable: **EPO ETSI Deliverable:** GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 09/074816
Patent no.: 5966384
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: AR

Application no.: 98-01-03767

Patent no.:

Countries applicable: Al

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: US
Application no.: 08/031258
Patent no.: 5329547

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: US
Application no.: 08/214998
Patent no.: 5359696
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: US
Application no.: 08/295173
Patent no.: 5572193
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: Application no.: 08/556358 Patent no.: 5659622

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM

Country of registration: US Application no.: 08/616542 Patent no.: 5745520 Countries applicable: US

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/657925 Patent no.: 5940445 Countries applicable: US

ETSI Deliverable: GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: LIS Application no.: 08/806949 Patent no.: 6104993 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: US Application no.: 08/855173 Patent no.: 5999826 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR CONTROLLING TRANSMIT DIVERSITY IN A COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 08/904042
Patent no.: 6141542
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 08/904204
Patent no.: 6038263
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 08/971976
Patent no.: 5940430
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP
Title: CELL

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: US
Application no.: 040790
Patent no.: 5627830
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/057166
Patent no.: 6058107
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: GB

Application no.: 0215267.6 Patent no.: 2373146 Countries applicable: GB

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL Title:

Country of registration: US Application no.: 09/086149 Patent no.: 6141638 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/107106 Patent no.: 6067324

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: US Application no.: 09/124946 Patent no.: 6130883 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration: US Application no.: 09/131628 Patent no.: 5991285 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS

Country of registration: Application no.: 09/186911 Patent no.: 6212391

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 09/204702 Patent no.: 6233231 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title.

Country of registration: US Application no.: 09/229478 Patent no.: 6091757 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TWO WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: US Application no.: 608334 4644351 Patent no.: Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

SYSTEM

Country of registration: US Application no.: 09/348571 Patent no.: 6175559 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration:

JР Application no.: 6-520006 Patent no.: JΡ

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/451074 6366880 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

Title:

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: US Application no.: 09/479042 Patent no.: 6282182 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 09/012927 6246697 Patent no.: Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: HK Application no.: 97102296.1 Patent no.: HK1000758 Countries applicable: ΗK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: Application no.: 09/573526

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: Title:

3GPP DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

KR

Application no.: Patent no.:

97-19503

Countries applicable:

KR

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title: **SYSTEM**

Country of registration:

CN 97190206.2

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

CN GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: FΙ Application no.: 971840 Patent no.:

101671

Countries applicable:

FΙ

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: Title:

Notes:

Country of registration: GB

Application no.: Patent no.:

9713727.7 2313266

Countries applicable:

GB

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: Application no.: 97113483 Patent no.: 2169992 Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: CN Application no.: 97111190.1

Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title.

Title:

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: RU Application no.: 97108171 Patent no.: 2141168 Countries applicable: RU

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: SE

Application no.: 97105365.7 EP0807989 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration:

IT Application no.: 97105365.7 Patent no.: EP0807989 Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: VERFAHREN UND VORRICHTUNG ZUR GEWICHTUNG EINES UEBERTRAGUNGSWEGES

Country of registration:

Application no.: 97105365.7 Patent no.: 69705356.3 Countries applicable: DF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: GB Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title.

Country of registration: US Application no.: 049248 Patent no.: 5502752 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration:

Application no.: 97105365.7 EP0807989 Patent no.:

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM **EPO**

Country of registration: Application no.: Patent no.:

97903749.6

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: 97102167.7 Patent no.: HK1000621 Countries applicable: HK

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: Application no.:

BR 9703357

Patent no.: Countries applicable:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

> **SYSTEM** BR 9702114

Country of registration: Application no.:

Patent no.:

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: SF Application no.: 9701659-6

Patent no.:

SE

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GΕ Application no.: 002141 Patent no.: 1767 Countries applicable: GF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CN

Application no.: 00810157.4

Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

SYSTEM

Country of registration: **EPO** Application no.: 00944789.7 Patent no.: EP1201053 Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS Title:

Country of registration: **EPO** Application no.: 00951359.9 EP1198904 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A

COMMUNICATION SYSTEM

Country of registration: FPO Application no.: 00975568.7 Patent no.:

Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: Application no.:

015520

Countries applicable:

Patent no.:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

CN

Country of registration:

Application no.: 01803473.X Patent no.:

Countries applicable:

CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: **EPO**

Application no.: 01901736.7 Patent no.: EP1249138 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title: FR

Country of registration:

Application no.: 97105365.7 Patent no.: EP0807989 Countries applicable: FR

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: IT Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 SE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103: 3GPP TS 41.104 RELEASE 6: 3GPP 21.101: ETSI TS 121 101: 3GPP 21.102: ETSI TS 121 102:

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 ES

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: NI

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title.

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: IT Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: IT

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: GR

Application no.: 89113864.6 Patent no.: 3030676

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: DF

Application no.: 89113864.6 Patent no.: P68912672.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FR

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title.

Country of registration: **EPO** Application no.: 89113864.6

Patent no.: EP0352786 Countries applicable: **EPO**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: ΑT

Title:

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: SF

Application no.: 89113864.6 Patent no.: EP0352786 SE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GR

Application no.: 89101118.1 EP0332818 Patent no.: Countries applicable: GR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: NI

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title.

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE REDUCTION FOR A RADIO SYSTEM

Country of registration: US Application no.: 893116 Patent no.: 4696027 Countries applicable: US

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GR

Application no.: 89113864.6 Patent no.: 3030676

Countries applicable: ETSI Deliverable:

Title:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: DF

Application no.: 89113864.6 Patent no.: P68912672.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FR

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title.

Country of registration: **EPO**

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: **EPO**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: ΑT

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: СН

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: S

 Application no.:
 89101118.1

 Patent no.:
 EP0332818

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: ES
Application no.: 89101118.1
Patent no.: EP0332818

Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: NL
Application no.: 89101118.1
Patent no.: EP0332818

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: DE

Application no.: 91102175.6 **Patent no.:** P69127839.3

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: ES

Application no.: 89113864.6
Patent no.: EP0352786
Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration:

Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: GB Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title.

Country of registration: FR Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: FR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: DK

Application no.: 91102175.6 EP0444485 Patent no.: DK

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: BF Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: ΒE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: AT

 Application no.:
 91102175.6

 Patent no.:
 E159.138

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:USApplication no.:669127Patent no.:5204876Countries applicable:US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: CH
Application no.: 90115487.2
Patent no.: EP0415163

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: CA
Application no.: 601702
Patent no.: 1297162
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: NL
Application no.: 90115487.2
Patent no.: EP0415163

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: IT

 Application no.:
 90115487.2

 Patent no.:
 EP0415163

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: DE

 Application no.:
 90115487.2

 Patent no.:
 P69020070.6

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: FI
Application no.: 891276
Patent no.: 100078

Countries applicable: FI GSM TS 01.01; ETSI TS 101 855; 3GPP

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: FR

 Application no.:
 90115487.2

 Patent no.:
 EP0415163

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: NO
Application no.: 892094
Patent no.: 179310
Countries applicable: NO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: CN

 Application no.:
 90107394.6

 Patent no.:
 27021

 Countries applicable:
 CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: CH
Application no.: 89901513.5
Patent no.: EP0398911

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: NL Application no.: 89901513.5

Patent no.: 89901513.5
Patent no.: EP0398911
Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: LU

 Application no.:
 89901513.5

 Patent no.:
 EP0398911

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: DE

 Application no.:
 89901513.5

 Patent no.:
 P3855136.5

 Countries applicable:
 DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: 89901513.5 Patent no.: EP0398911 GB

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title.

Country of registration:

AT Application no.: 89901513.5 Patent no.: EP0398911 Countries applicable: AT

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: KR Application no.: 89-701765 Patent no.: 62183

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: KR Application no.: 89-701035 Patent no.: 112435 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: Application no.: 894387 Patent no.: 4654867

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: DF

Application no.: 89101118.1 Patent no.: P68927575.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title:

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: GB Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: NO Application no.: 860947 169810 Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

AT Application no.: 87902067.5 Patent no.: EP0269643

Countries applicable: ΑT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: KR

Application no.: 87-700178
Patent no.: 81696
Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CH
Application no.: 87110260.4
Patent no.: EP0255628

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: NL

 Application no.:
 87110260.4

 Patent no.:
 EP0255628

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: IT

 Application no.:
 87110260.4

 Patent no.:
 EP0255628

Countries applicable: 17

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: DE Application no.: 8711

87110260.4 P3752127.6

Patent no.: P37
Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: GB

 Application no.:
 87110260.4

 Patent no.:
 EP0255628

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: FR
Application no.: 87110260.4
Patent no.: EP0255628

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: FI
Application no.: 870642
Patent no.: 92118
Countries applicable: FI

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: DE

Application no.: 86903767.1 **Patent no.:** P03689035.9

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: GB

Application no.: 86903767.1
Patent no.: EP0226613
Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: KR Application no.: 86-700145 Patent no.: 59947 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: FΙ Application no.: 86 1015 Patent no.: 79768 Countries applicable: FΙ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: CH

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration:

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: NI

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: IT

Application no.: 85903622.0 Patent no.: EP00188554 IT

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration:

Application no.: 85903622.0 EP0188554 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: GB

Application no.: 85903622.0 Patent no.: EP00188554 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: FF

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: EPO 85903622.0 Patent no.: EP00188554

Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: BE

Application no.: 85903622.0
Patent no.: EP00188554

Countries applicable: BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: CH Application no.: 85902748.4

Patent no.: EP0179898
Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: FR

Application no.: 86903767.1
Patent no.: EP0226613
Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GB Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: FR Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: EPO Application no.: 89101118.1 EP0332818 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: BF

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: ΑT

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITHNATIONWIDE ROAMING CAPABILITY Title:

Country of registration: CN Application no.: 89100461.0

Patent no.: 11559 Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: IN

Application no.: 89/DEL/92 Patent no.: 185240 IN

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title:

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: Application no.: 892678 108099 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: CH Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: S

 Application no.:
 88115574.1

 Patent no.:
 EP0310876

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:ESApplication no.:88115574.1Patent no.:EP0310876

Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:BEApplication no.:87902067.5Patent no.:EP0269643Countries applicable:BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: LU

 Application no.:
 88115574.1

 Patent no.:
 EP0310876

Countries applicable: LU GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: FR

 Application no.:
 87902067.5

 Patent no.:
 EP0269643

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: GR

Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: DF

Application no.: 88115574.1 Patent no.: P3882869.3

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: GB Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration:

Application no.: 88115574.1 EP0310876 Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: BF Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: AT

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: CH

Application no.: 87902067.5 Patent no.: EP0269643 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title:

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA. SE

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643 SE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: NL

Application no.: 87902067.5 Patent no.: EP0269643

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: ΙT

Application no.: 87902067.5 Patent no.: EP0269643

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: DE

Application no.: 87902067.5 Patent no.: P3787788.7 Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

Country of registration: MX Application no.: 9100231 Patent no.: 174912

Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102; 3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: NL Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: GR Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: BR Application no.: 9205605-9 Patent no.: 9205605-9 Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: GB

Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: FR

Application no.: 94913263.3 EP0643889 Patent no.: FR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable: **EPO**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM Country of registration: FΙ

Application no.:

945336

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 94190121.1 Patent no.: 94190121.1

Countries applicable: CN

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: 3GPP

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: MX Application no.: 9402259 Patent no.: Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: 3GPP

Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: MX Application no.: 9401801 185865 Patent no.:

Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: IT

Application no.: 94913263.3 Patent no.: EP0643889

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: Application no.: 933673 Patent no.:

Countries applicable: **ETSI Deliverable:** GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: JΡ Application no.: 9-518820

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: 93054764.00 Patent no.: 2145466 Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: UA Application no.: 93004000 Patent no.: 40009 Countries applicable: UΑ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

Application no.: 92907804.6 EP0529051 Patent no.:

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

3GPP Project:

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: DF

Application no.: 92907804.6 Patent no.: 69230710.9 Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: GB

Application no.: 92907804.6 Patent no.: EP0529051

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

Application no.: 92907804.6 Patent no.: EP0529051 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: KR Application no.: 92-702841 Patent no.: 99714

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: CN

Application no.: 92101024.9 Patent no.: 92101024.9

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: 7A Application no.: 92-0950 Patent no.: 92/0950 Countries applicable: ZA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: Application no.: 93-702329 Patent no.: 127995 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: GB

Application no.: 85902748.4 Patent no.: EP0179898 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: US Application no.: 750942 Patent no.: 4628529 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

PROVISION OF SPEECH CODER GAIN INFORMATION USING MULTIPLE CODING MODES Title:

Country of registration: US Application no.: 755393 Patent no.: 5657418 Countries applicable: US

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

Title:

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: Application no.: 9610428.6 2313261 Patent no.:

Countries applicable: ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: TW Application no.: 81101381 Patent no.: NI-62506 Countries applicable: TW

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: AU
Application no.: 84851/98
Patent no.: 732494
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CN
Application no.: 85106519
Patent no.: 10981
Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: AT

 Application no.:
 85902748.4

 Patent no.:
 EP00179898

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: BE

 Application no.:
 85902748.4

 Patent no.:
 EP00179898

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: 3GPP

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: DE

Application no.: 94913263.3
Patent no.: 69430720.3

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:

Application no.: 85902748.4 EP0179898 Patent no.:

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GB Application no.: 9315243.7 Patent no.: 2269300 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: DF

Application no.: 85902748.4 Patent no.: P3576035.4

Countries applicable: DF

Notes:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: HK Application no.: 85902748.4 506/1990 Patent no.:

Countries applicable: HK ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: IT

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: SG Application no.: 9602783-4 Patent no.: 9602783-4

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: SG Application no.: 9602270-2 Patent no.: 9602270-2

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: LU

Application no.: 85902748.4 EP00179898 Patent no.:

Countries applicable: LU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: NI

Application no.: 85902748.4 Patent no.: EP0179898 Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: SE

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: SF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: .IP Application no.: 9-532578 Patent no.: Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

3GPP Project:

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: **EPO** Application no.: 85902748.4 Patent no.: EP0179898 Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: MX Application no.: 9200735 Patent no.: 179935 Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: SF

91905041.9 Application no.: Patent no.: EP0450064

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: NL

Application no.: 91905041.9 Patent no.: EP0450064 NI

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: LU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: IΤ

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title.

Country of registration: DF

Application no.: 91905041.9 Patent no.: 69033510.5 DF

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: CH

Application no.: 91905041.9 EP0450064 Patent no.: CH

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: GB

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064 FR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

EPO Country of registration: Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: EPO

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: ES

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Title:

Application no.: 91905041.9 EP0450064 Patent no.: DK

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: BF Application no.: 91905041.9

Patent no.: EP0450064 Countries applicable: ΒE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: AT

Application no.: 91905041.9 Patent no.: E191.987 Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

JΡ Country of registration: Application no.: Patent no.:

9-141040

JΡ

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title.

Country of registration: GR Application no.: 920100062 Patent no.: 1001801 Countries applicable: GR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Title: Country of registration: CH

Application no.: 91102175.6 EP0444485 Patent no.: CH

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: SF Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: TR Application no.: 92-0178 Patent no.: 25708 Countries applicable: TR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title.

Country of registration: NI Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: NL

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: LU

Application no.: 91102175.6 EP0444485 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title: IT

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: Application no.: 9202058 Patent no.: FR9202058

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nortel Networks Ltd.

Project: 3GPP

Title: Improved Interleavers for Turbo Code

Country of registration: PCT

PTC/IB99/01369 Application no.:

Patent no.:

Countries applicable: BR, CA, CN, EPO, JP, MX

ETSI Deliverable: 3GPP TS 25.212 V5.0.0; TS 125 212 V5.0.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It is understood that if the standard is withdrawn, Nortel Networks has no obligation to license, or sustain such licenses, following such withdrawal. Any party that would be interested in such licenses as described above may write to Richard Weiss, Deputy IP Counsel - Licensing, 2221 Lakeside Boulevard, M/S 991/14/B20,

Richardson, Texas 75082, or by fax at (972) 684-3127.

Nortel Networks Ltd. Company name:

Project:

Interleavers for Turbo Code Title: US

Country of registration:

Application no.:

6,347,385

Patent no.: Countries applicable: US

ETSI Deliverable:

3GPP TS 25.212 V5.0.0; TS 125 212 V5.0.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It is understood that if the standard is withdrawn, Nortel Networks has no obligation to license, or sustain such licenses, following such withdrawal. Any party that would be interested in such licenses as described above may write to Richard Weiss, Deputy IP Counsel - Licensing, 2221 Lakeside Boulevard, M/S 991/14/B20,

Richardson, Texas 75082, or by fax at (972) 684-3127.

Wi-Lan Inc. Company name:

3GPP Project:

Multicode Direct Sequence Spread Spectrum Title:

Country of registration: CA Application no.: 186,784 5,555,268 Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

3GGP/AMR-WB

Company name: Nokia Corporation
Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: AU Application no.: 47811/96

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.170 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: 3GPP/AMR-WB

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: Application no.:

FI9800237

PCT

Patent no.: Countries applicable:

s applicable: AU, CH, ES, KR

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: EPO Application no.: 96903854,6 Patent no.: 516621

Countries applicable: DE, ES, FR, GB, IT, SE

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.170 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: CA
Application no.: 2213740

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.170 V5.X.Y; 3G TS 26.171 V5.X.Y; 3G TS 26.171

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: 3GPP/AMR-WB

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: EPO Application no.: 9692

96920925,3

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.170 V5.X.Y; 3G TS 26.171 V5.X.Y; 3G TS 26.171

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 9602391,6

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Depth-first algebraic codebook search for fast coding of speech Title:

Country of registration: MY Application no.: PI9600844

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Depth-first algebraic codebook search for fast coding of speech Title: JP

Country of registration:

Application no.: 527130/96 Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: Application no.: 98100818.3 Patent no.: HK1001846

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: 3GPP/AMR-WB Project:

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration:

IT Application no.: MI98A000766 Patent no.: 1299063

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration: Application no.: 970105360

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Depth-first algebraic codebook search for fast coding of speech Title:

Country of registration: AR

Application no.: P960101681

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Depth-first algebraic codebook search for fast coding of speech Title: IN

Country of registration:

Application no.: 422CAL96

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: US Application no.: 509525 Patent no.: 5701392

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

CN

96196226.7

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 9607026,9

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Depth-first algebraic codebook search for fast coding of speech Title:

Country of registration: **BR**

Application no.: PI9607144.3

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech Title:

Country of registration: US Application no.: 662991 Patent no.: 5946651

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration:

Application no.:

Patent no.:

96193196.5

Countries applicable: ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech FS

Country of registration: Application no.: Patent no.:

9650025

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 9601426 Patent no.: 2730336

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: HK Application no.: 98101406,9

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: 3GPP/AMR-WB Project:

Title:

Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech Country of registration: ES

Application no.: P9750009

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech Title:

Country of registration:

Application no.:

Patent no.:

1054/MAS/96

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: Application no.:

Patent no.:

US 09/057680

Countries applicable: **ETSI Deliverable:** 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: Application no.: 98101107

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title: JΡ

Country of registration: Application no.:

10-098937

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FΙ

Application no.: 971484

Patent no.:

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: DF

Application no.:

Patent no.:

19815597.2

98106901.0

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: Application no.: 9804479 Patent no.: 9804479

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: GB Application no.: 9807608.6 Patent no.: 2329803

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: IN Application no.: 759/MAS/98

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y; TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech Title:

Country of registration: CA Application no.: 2224688

Countries applicable:

Patent no.:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: Application no.: Patent no.:

JĖ 9-502809

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation** 3GPP/AMR-WR Project:

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration:

Application no.: UD96A000012

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: Title:

3GPP/AMR-WB

Country of registration:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Application no.:

DF 19604273,9

Patent no.:

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: 3GPP/AMR-WB

Title: Country of registration: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Application no.:

SE 9600437-9

Patent no.:

Countries applicable: **ETSI Deliverable:**

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

3GPP/AMR-WB Project:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Title:

Country of registration: Application no.:

96900816,8

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: 3GPP/AMR-WB Title:

Vector adaptative predictive coder for speech and audio

Country of registration: Application no.: Patent no.:

35615 4969192

US

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration:

Application no.: 198CAL96

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: US Application no.: 927528 Patent no.: 5444816

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Vector adaptative predictive coder for speech and audio Title:

Country of registration: JP

Application no.: 84973/1988 Patent no.: 2887286

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Dynamic codebook for efficient speech coding based on algebraic codes Title:

Country of registration: **EPO** Application no.: 90915956.8 Patent no.: 516621

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: 7A Application no.: 96/0852 Patent no.: 96/0852

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration: Application no.: 9-313957

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: .IP Application no.: 523852/96

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: 3GPP/AMR-WB Project:

Dynamic codebook for efficient speech coding based on algebraic codes Title:

Country of registration: CA Application no.: 2010830 Patent no.: 2010930

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Title:

Country of registration: KR Application no.: 705372

Patent no.:

Countries applicable: ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.:

NO 973472

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26,202 V5,X,Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 975997

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

3GPP/AMR-WB

Title:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.:

RU 97114804

Patent no.:

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Nokia Corporation 3GPP/AMR-WB

Title:

Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: Application no.:

ΑU 62309/96 714742

Patent no.: Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Nokia Corporation 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration:

Application no.:

Patent no.:

97116484

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Nokia Corporation

3GPP/AMR-WB Depth-first algebraic codebook search for fast coding of speech

Country of registration:

Application no.:

KR 97-706298

Patent no.: Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26,202 V5,X,Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 508801 Patent no.: 5754976

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Title: Vector adaptative predictive coder for speech and audio

Country of registration: Application no.:

Patent no.: Countries applicable:

1336454

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Methods for generating comfort noise during discontinuous transmission Title:

Country of registration: BR

Application no.: PI9705747.9

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: MX Application no.: 97/06885 Patent no.:

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

Methods for generating comfort noise during discontinuous transmission Title: **EPO**

Country of registration: Application no.: Patent no.:

97309213.3

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26,202 V5,X,Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 335305

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: Title:

3GPP/AMR-WB

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.:

CN 96193095

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: 3GPP/AMR-WB

Title: Country of registration: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Application no.:

ΑU 44796/96

Patent no.:

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

3GPP/AMR-WB Project:

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration:

Application no.:

Patent no.:

97126203.9

Countries applicable:

ETSI Deliverable:

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: 3GPP/AMR-WB

Title: Country of registration: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech MY

Application no.:

PI9600300

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26,202 V5,X,Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation** Project: 3GPP/AMR-WR

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: Application no.: 9512284,2 Patent no.: 714752

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: 3GPP/AMR-WB

Methods for generating comfort noise during discontinuous transmission Title:

Country of registration: US Application no.: 08/965303 Patent no.: 5960389

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Country of registration: CA

Application no.: 2210765

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Vector adaptative predictive coder for speech and audio Title:

Country of registration: **EPO** Application no.: 92108904,1 Patent no.: 503684 Countries applicable: DE, FR, GB, IT

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: 3GPP/AMR-WB

BR

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: Application no.: Patent no.:

9608479-0

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation** Project: 3GPP/AMR-WB

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: 973241

Patent no.:

Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y: 3G TS 26.173 V5.X.Y: 3G TS 26.174 V5.X.Y: 3G TS 26.190 V5.X.Y: 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: VoiceAge Corp. Project: 3GPP/AMR-WB

A Method and Device for adaptive bandwidth pitch Search in Coding Wideband Signals Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

PCT/CA99/01008

PCT

AT, AU, BE, BR, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, HK, IE, IN, IT, JP, KR, LI, LU, MC, MX,

MY, NL, NO, PT, RU, SE, US, ZA

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26 202 V5 X Y

The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing

Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

Company name: VoiceAge Corp. Project: 3GPP/AMR-WB

Title: Perceptual Weighting Device and Method for Efficient Coding of Wideband Signals

Country of registration: PCT

PCT/CA99/01010 Application no.:

Patent no.:

Countries applicable: AT, AU, BE, BR, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, HK, IE, IN, IT, JP, KR, LI, LU, MC, MX,

MY, NL, NO, NZ, PT, RU, SE, US, ZA

3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 **ETSI Deliverable:**

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26,202 V5,X,Y

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing

Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

Company name: VoiceAge Corp. Project: 3GPP/AMR-WB

Title: A Method for Indexing Pulse Positions and Signs in Algebraic Codebooks for Efficient Coding of

> Wideband Signals CA

Country of registration: Application no.:

2,327,041

Countries applicable:

Patent no.:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191 V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of

Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

Company name: VoiceAge Corp. Project: 3GPP/AMR-WB

Title: High Frequency Content Recovering Method and Device for Oversampled Synthesized Wideband Signal

Country of registration: PCT

Application no.: PCT/CA99/00990

Patent no.:

Countries applicable:AT, BE, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, JP, KR, LI, LU, MC, NL, PT, SE, US
3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191
V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

Company name: VoiceAge Corp.
Project: 3GPP/AMR-WB

Title: Periodicity Enhancement in Decoding Wideband Signals

Country of registration: PCT

Application no.: PCT/CA99/01009

Patent no.: Countries applicable: ETSI Deliverable:

able: AT, BE, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, JP, LI, LU, MC, NL, PT, SE, US 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing

Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

Company name: **VoiceAge Corp. Project:** 3GPP/AMR-WB

Title: Gain-smoothing Amplifier Device and Method in Codecs for Wideband Speech and Audio Signals

Country of registration: Po

Application no.: PCT/CA00/01381

Patent no.: Countries applicable:

ETSI Deliverable: 3G TS 26.171 V5.X.Y; 3G TS 26.173 V5.X.Y; 3G TS 26.174 V5.X.Y; 3G TS 26.190 V5.X.Y; 3G TS 26.191

V5.X.Y; 3G TS 26.192 V5.X.Y; 3G TS 26.193 V5.X.Y; 3G TS 26.194 V5.X.Y; 3G TS 26.201 V5.X.Y; 3G

TS 26.202 V5.X.Y

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above mentioned IPR and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. VoiceAge has stated to ETSI that licensing inquiries should be sent to: VoiceAge Corp., 750 Chemin Lucerne, Suite 250, Town of Mount-Royal, Québec H3R 2H6 Canada, to the attention of Mrs. Hélène JAY, IPR and Licensing

Business Development. Phone: +1 (514) 737-4940 / Fax: +1 (514) 908-2037 / http://www.voiceage.com.

3GPP/EMS

Biiitec Company name: 3GPP/EMS Project:

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: CN Application no.: 99127048.7 Patent no.: Countries applicable: CN

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Bijitec 3GPP/EMS Project:

System and method for compressing stroke-based handwriting and line drawing Title:

Country of registration: SG

Application no.: PCT/SG01/00088

TS 23.040

Patent no.:

Countries applicable: **PCT ETSI Deliverable:** TS 23.040

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Bijitec Company name: 3GPP/EMS Project:

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: TΗ Application no.: 065426 Patent no.:

Countries applicable: TH

ETSI Deliverable: TS 23.040

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Bijitec Company name: Project: 3GPP/EMS

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: Application no.: 0078026 Patent no.: Countries applicable: TW **ETSI Deliverable:** TS 23.040

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

BRAN

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic connection mapping in wireless ATM systems

Country of registration:

Application no.: Patent no.:

5787077

Countries applicable:

US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ascom Management AG

Project: BRAN

Title: Dyna

Dynamic assignment of signalling virtual channels for wireless ATM systems US

Country of registration: Application no.:

Patent no.: 5907542 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic assignment of signalling virtual channels for wireless ATM systems

Country of registration: EPO Application no.: 1997/103854 Patent no.: 813346

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, IE, IT, LI

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic Connection Mapping in wireless ATM Systems

Country of registration: EPO 1997/918309 Patent no.: 903054

Countries applicable:

ETSI Deliverable:

CH, DE, DK, FI, FR, GB, GR, IT, LI, NL, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic Connection Mapping in wireless ATM Systems

Country of registration:

Application no.:

97/47158

Patent no.:

Countries applicable: CH,

ETSI Deliverable:

Notes:

CH, CN, DE, DK, FI, FR, GB, GR, IT, JP, KR, LI, NL, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic assignment of signalling virtual channels for wireless ATM systems

Country of registration:

Application no.:

PCT

Patent no.: 97/39595

Countries applicable: CN, JP ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Cable Modem

3COM Corporation Company name: Project: Cable Modem

Title: Method and System For Secure Cable Modem Initialization

Country of registration: US

Application no.: 09/018,756 Patent no.: US 6,070,246 Countries applicable: US

ETSI Deliverable: ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

3COM Corporation Company name:

Project: Cable Modem

Title: Cable Modem With Dribble Grant Access System and Method

Country of registration: US Application no.: Patent no.:

Pending

US

Countries applicable:

ETSI Deliverable: ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

3COM Corporation Company name:

Project: Cable Modem

Method and System for Bundling Data In a Data Over Cable System Title:

Country of registration: US Application no.: Pending Patent no.:

Countries applicable:

US **ETSI Deliverable:**

ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **3COM Corporation**

Project: Cable Modem

Title: Method and System for Quality of Service Based Data Forwarding In A Data Over Cable System US

Country of registration: Application no.: Pending Patent no.: Countries applicable: US

ETSI Deliverable: ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

3COM Corporation Company name: Project: Cable Modem

Title: Method and System for Provisioning Network Addresses in a Data-Over-cable System

Country of registration: US Application no.:

Pending

Patent no.: Countries applicable:

ETSI Deliverable: ES 201 488 V1.1.1.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

3COM Corporation Company name: Cable Modem Project:

Title: Method and System For Providing Quality of Service in a Data Cable System Using Configuration

Protocol Messaging

Country of registration: US Application no.: Pending Patent no.:

Countries applicable: **ETSI Deliverable:**

ES 201 488 V1.1.1 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

3COM Corporation Company name: Project: Cable Modem

Title: Method for Using Host Configuration Messages to Maintain a Network Address Table in a Data-Over-

Cable System

Country of registration: US Application no.: Pending Patent no.:

Countries applicable:

US **ETSI Deliverable:** ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **3COM Corporation** Project: Cable Modem

Title: Method For Changing Type of Service in a Data Over Cable System

Country of registration: Application no.:

US Pending

Patent no.: Countries applicable:

US

ETSI Deliverable: ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Lucent Technologies Inc. Cable Modem

Project: Title:

Country of registration: Application no.:

US

Patent no.:

Countries applicable:

ETSI Deliverable:

ES 201 488 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: Cable Modem

Title:

Country of registration: Application no.:

US

Patent no.:

Countries applicable:

ETSI Deliverable: ES 201 488 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

DAB

Company name: France Telecom

Project: DAB

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et synchronisation analogique

Country of registration: F

Application no.: FR 88 15216 (=EP0369917)

Patent no.: FR-2 639 495 DE, ES, FR, GB, IT, NL, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: France Telecom

Project: DAB

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NI

 Application no.:
 NL 89 014023

 Patent no.:
 EP-0 402 973

Countries applicable: AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY,

NL, PL, RU, SE, SG, SI, SK, TW, UA, US ETS 300 401

ETSI Deliverable:

Notes:

Company name: France Telecom

Project: DAE

Title: Digital transmission system using subband coding

Country of registration: EPO
Application no.: EP 89201408
Patent no.: EP 0 400 755

Countries applicable: AR, AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HK, HU, IN, IT, JP, KR, MX, MY, PL, PT, RU, SE,

SG, SK, TW, UA, US ETS 300 401

ETSI Deliverable:

Company name:

Notes:

France Telecom

Project: DAB

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et synchronisation analogique

Country of registration:

Application no.: 93 116 353.9 (div of EP0369371)

Patent no.: EP 0 600 193
Countries applicable: ES, FR, GB, IT, NL
ETSI Deliverable: ETS 300 401

Notes:

Company name: France Telecom

Project: DAB

Country of registration:

Digital transmission system for transmitting an additional signal such as a surround signal

Application no.: (div of EP-0 402 973) **Patent no.:** EP-0 599 825

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: France Telecom

Project: DAB

Title: Method and installation for digital communication, particularly between an towards moving vehicles

Country of registration: PCT

Application no.: PCT/EP-87/00346
Patent no.: WO-88/00417

Countries applicable: DE, FR, GB, IT, JP, NL, SE, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: France Telecom

Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration:

Application no.: (div of EP-0 402 973) **Patent no.:** EP-0 599 824

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Company name: France Telecom

Project:

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et aide à l'acquisition de la commande automatique de

fréquence, et récepteur correspondant

Country of registration:

FR Application no.: FR 90 01492 Patent no.: FR-2 658 017 Countries applicable: DE, FR, GB, US **ETSI Deliverable:** ETS 300 401

Notes:

Company name: France Telecom

Project: DAR

Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de Title:

réception correspondant

Country of registration: FR

Application no.: FR 90 03927 Patent no.: FR-2 660 131 Countries applicable: DE, FR, GB, US **ETSI Deliverable:** ETS 300 401

Notes:

Company name: Grundig E.M.V.

Project:

Title: Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Networks

Country of registration: PCT

Application no.: WO 92/13403

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, JP, LU, MC, NL, SZ, US

Company name: Grundig E.M.V.

Project:

Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Network Title:

Country of registration: DF

Application no.: DE 41 02 408

Patent no.:

Countries applicable:

ETSI Deliverable:

DF

Notes:

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: Application no.:

DE 42 22 877

Patent no.:

DE

Countries applicable:

DE **ETSI Deliverable:** ETS 300 401

Notes:

Company name: Grundig E.M.V.

Project: DAB

Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation Title:

Country of registration: EPO Application no.: 96100540.4 Patent no.: EP 0 670 643 A1

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, PT, SE

Notes:

Notes:

Company name: Grundig E.M.V.

Project:

Title: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel

Country of registration:

PCT Application no.: PCT/EP95/02853 Patent no.: WO 96/03841

Countries applicable:

ETSI Deliverable:

AU, BR, CA, CN, CZ, EPO, FI, JP, KR, MX, NO, PL, US

Company name: Grundig E.M.V.

Project: DAB

Title: Gleichwellennetze und Empfänger zum Durchführen der empfangsseitigen Massnahmen

Country of registration: **EPO**

HEI-5-169296 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 401

Notes:

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zur Bestimmung des geographischen Standortes eines Empfängers

in einem Gleichwellennetz

Country of registration: DE

Application no.: DE 42 23 194

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Grundig E.M.V.

Company name: Project: DAB

Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation Title:

Country of registration: DE

Application no.:

Patent no.:

DE 44 05 752

Countries applicable:

ETSI Deliverable:

DE

DE

Notes:

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal

Country of registration: **EPO** 94118808.8 Application no.: Patent no.: EP 0 656 702 A1

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, FR, GB, IT, LI, PT

Notes:

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal

Country of registration: DE

DE 43 41 211 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

DE

Notes:

Company name:

Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zur Realisierung eines Rückübertragungskanals vom Empfänger

zum Sender in einem Gleichwellenne DE

Country of registration:

Application no.: DE 44 44 889

Patent no.:

Countries applicable:

ETSI Deliverable:

DE

Notes:

Company name: Grundig E.M.V.

Project:

Title: Process, Sender and Receiver for Transmitting and Selecting Local Radio Programs in a Common-wave

Broadcasting Network

Country of registration:

Application no.:

DE DE 44 24 778

Patent no.:

ETSI Deliverable:

Countries applicable:

Notes:

DE

Company name: Grundig E.M.V.

Project: DAB

Title: Process, Sender and Receiver for Transmitting and Selecting Local Radio Programs in a Common-wave

Broadcasting Network

Country of registration: **PCT**

Application no.: PCT/EP95/02751 Patent no.: WO 96/02988

Countries applicable:

ETSI Deliverable:

AU, BR, CA, CN, CZ, EPO, FI, JP, KR, MX, NO, PL, US

Notes:

Company name: Grundig E.M.V.

Project: Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

DAB

Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel DE

DE 44 25 973

DE

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: **EPO** Application no.: 93108160.8 Patent no.: EP 0 580 976 Countries applicable: AT, BE, DE, FR, GB, IT **ETSI Deliverable:** ETS 300 401

Notes:

Company name: IRT Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 825

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: IRT Project: DAB

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NI

Application no.: NL 89 014023 Patent no.: EP-0 402 973

AR. AT. AU. BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY, Countries applicable:

NL, PL, RU, SE, SG, SI, SK, TW, UA, US ETS 300 401

ETSI Deliverable:

Notes:

Company name: IRT Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 824

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: **Philips** Project: DAB

Title: Digital transmission system using subband coding

Country of registration: **EPO** Application no.: EP 89201408 Patent no.: EP 0 400 755

Countries applicable: AR, AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HK, HU, IN, IT, JP, KR, MX, MY, PL, PT, RU, SE,

SG, SK, TW, UA, US

ETSI Deliverable: ETS 300 401

Company name: Philips
Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration:

 Application no.:
 (div of EP-0 402 973)

 Patent no.:
 EP-0 599 825

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Philips
Project: DAB

Title: Country of registration:

Intensity stereo encoding and decoding in a transmission system

Application no.: (div of EP-0 402 973)

Patent no.: EP-0 599 824

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Philips
Project: DAB

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NL

 Application no.:
 NL 89 014023

 Patent no.:
 EP-0 402 973

Countries applicable: AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY,

NL, PL, RU, SE, SG, SI, SK, TW, UA, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration:

Application no.: (div of EP-0 402 973) **Patent no.:** EP-0 599 824

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAE

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration:

 Application no.:
 (div of EP-0 402 973)

 Patent no.:
 EP-0 599 825

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, HK, IN, IT, LI, LU, NL, SE, SG, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NL

 Application no.:
 NL 89 014023

 Patent no.:
 EP-0 402 973

Countries applicable: AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY,

 $\mathsf{NL},\,\mathsf{PL},\,\mathsf{RU},\,\mathsf{SE},\,\mathsf{SG},\,\mathsf{SI},\,\mathsf{SK},\,\mathsf{TW},\,\mathsf{UA},\,\mathsf{US}$

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de

réception correspondant

Country of registration: FR

Application no.: FR 90 03927
Patent no.: FR-2 660 131
Countries applicable: DE, FR, GB, US
ETSI Deliverable: ETS 300 401

122

Company name: Télédiffusion de France

Project: DAB

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et synchronisation analogique

Country of registration: EPO

Application no.: 93 116 353.9 (div of EP0369371)

Patent no.: EP 0 600 193
Countries applicable: ES, FR, GB, IT, NL
ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et synchronisation analogique

Country of registration: FR

Application no.: FR 88 15216 (=EP0369917)

Patent no.: FR-2 639 495

Countries applicable: DE, ES, FR, GB, IT, NL, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Method and installation for digital communication, particularly between an towards moving vehicles

Country of registration: PCT

Application no.: PCT/EP-87/00346
Patent no.: WO-88/00417

Countries applicable: DE, FR, GB, IT, JP, NL, SE, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Digital transmission system using subband coding

Country of registration: EPO
Application no.: EP 89201408
Patent no.: EP 0 400 755

Countries applicable: AR, AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HK, HU, IN, IT, JP, KR, MX, MY, PL, PT, RU, SE,

SG, SK, TW, UA, US

ETS 300 401

ETSI Deliverable:

Notes:

Company name: Télédiffusion de France

Project: DAB

Title: Procédé de diffusion de données numériques, notamment pour la radiodiffusion à haut débit vers des

mobiles à entrelacement temps-fréquence et aide à l'acquisition de la commande automatique de

fréquence, et récepteur correspondant Country of registration: FR

Application no.: FR 90 01492
Patent no.: FR-2 658 017
Countries applicable: DE, FR, GB, US
ETSI Deliverable: ETS 300 401

Notes:

Company name: Telefunken Sendertechnik GmbH

Project: DAE

Title: Verfahren und Anordnung zur Messung der Trägerfrequenzablage in einem

Mehrkanalübertragungssystem

Country of registration: DE Application no.: P 41 28 713

Patent no.: P 41 26 713
Patent no.: EP 0529 421

Countries applicable: AT, BE, CH, DE, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE, US

ETSI Deliverable: ETS 300 401

Notes:

Company name: Telefunken Sendertechnik GmbH

Project: DAB

Title: Verfahren zur digitalen Datenübertragung im Nullsymbol des COFDM-Modulationsverfahrens

Country of registration: DE

Application no.: P 41 38 770
Patent no.: EP 0614 584

Countries applicable: DE, ES, FR, GB, IT, SE, US

ETSI Deliverable: ETS 300 401

DCS 1800

Company name: Project:

Matra DCS 1800

Matra

FPO 0472 460 B1

Matra DCS 1800

91 03 903

Philips

Philips

DCS 1800

DCS 1800

Title:

Country of registration:

ΑU Application no.: 638 160

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Project:

Title:

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable: Notes:

Title:

Company name: Project:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:** Notes:

Company name:

Project:

Title: Improvements in or relating to Digital Filters

Country of registration: GB Application no.: 8104155 Patent no.: GB 2069799 Countries applicable: GB

ETSI Deliverable:

Notes:

Company name:

Project: DCS 1800 Title:

Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems EPO

Country of registration: Application no.: 82107529.8 EP 0 073 014 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Philips** DCS 1800 Project:

Title: TDMA system of transmitting information between a central station and sub-stations

Country of registration: Application no.: 8207811 Patent no.: GB 209 55 16 Countries applicable: GB

ETSI Deliverable:

Notes:

Philips Company name: Project: DCS 1800

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys.

Country of registration: Application no.: 83201766.9 Patent no.: EP 0 111 971 B1

Countries applicable: **ETSI Deliverable:**

Company name:

Philips

Project:

DCS 1800

Title: Country of registration: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen

Application no.: Patent no.:

86201267.1 EP 0 210 698

Countries applicable: **ETSI Deliverable:**

Notes:

Philips DCS 1800

Project: Title:

Company name:

Information transmission system

Country of registration: Application no.: Patent no.:

8008510 GB 2063011

Countries applicable:

ETSI Deliverable:

Notes:

Philips

Company name: Project: Title:

DCS 1800

Country of registration:

Multiple-access communications system FPO

Application no.: Patent no.: Countries applicable: 84201107.4 EP 0 134 057

ETSI Deliverable:

Notes:

Philips DCS 1800

Project: Title:

Company name:

Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: EPO Application no.: 83201765.1 EP 0 111 970 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Philips

Company name: Project: DCS 1800

Title: Dienstintegriertes Funkübertragungssystem

Country of registration: Application no.: Patent no.:

86200724.2 EP 0 201 126 B1

Countries applicable: ETSI Deliverable:

Notes:

Philips Company name: Project: DCS 1800

Title: Multi-pulse excitation linear-predictive speech coder

Country of registration: EPO 86200434.8 Application no.: Patent no.: EP 0 195 487 B1

Countries applicable: **ETSI Deliverable:**

Company name:

Notes:

Project:

Philips DCS 1800

Title: Country of registration: FPO 87200545.9 Application no.: Patent no.: EP 0 240 073 B1

Countries applicable: **ETSI Deliverable:**

Company name: Philips Project: DCS 1800

Procédé pour reconnaître l'utilisation illicite d'une identification Title:

Country of registration:
Application no.: 8504296 FR 256 184 1 Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Philips Company name: Project: DCS 1800

Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen

Funkstation eines Funkübertragungs

Country of registration: **EPO** Application no.: 83201767.7 Patent no.: EP 0 111 972 B1

Countries applicable: **ETSI Deliverable:** Notes:

Company name: **Philips** Project:

DCS 1800
Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation Title:

bestehenden Funkverbindung

Country of registration: Application no.: **EPO** 83201768.5 EP 0 111 973 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

DECT

Alcatel Company name: Project: DECT Ukrainian SSR Title: Country of registration: Application no.: US 676389 Patent no.:

Countries applicable: US **ETSI Deliverable:** ETR 310

Notes:

Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: PF 285380 Application no.: Patent no.: Countries applicable: PΕ ETR 310 ETSI Deliverable:

Notes:

Company name: **Alcatel** Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: ΝZ 297000 Application no.:

Patent no.:

Countries applicable: N7 **ETSI Deliverable:** ETR 310

Notes:

Company name: **Alcatel** Project: **DECT**

Burst Alignment Procedure Title:

Country of registration: Application no.: 315625

Patent no.: Countries applicable: PL ETR 310 **ETSI Deliverable:**

Notes:

Company name: Alcatel Project: DECT

Burst Alignment Procedure Title:

Country of registration: Application no.: 959877 Patent no.:

Countries applicable: ZΑ

Notes:

ETR 310 **ETSI Deliverable:**

Company name: Alcatel Project: DECT Title: Ukrainian SSR Country of registration: UA Application no.: 9504662 Patent no.:

Countries applicable: UA ETSI Deliverable: **ETR 310**

Notes:

Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: MA Application no.: 24082 Patent no.: Countries applicable: MA **ETSI Deliverable:** ETR 310

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Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: RU Application no.: 86116584 Patent no.:

Countries applicable: RU ETSI Deliverable: **ETR 310** Notes:

Company name: **Alcatel** Project: DECT

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: FR Application no.: 92-15934 2700086 Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 175-3

Notes:

Company name: **Alcatel** Project: DECT **DECT Frame Synchronization** Title:

Country of registration: **EPO** Application no.: 96109652.6 Patent no.: 751634

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE

ETSI Deliverable: ETR 310

Notes:

Company name: **Alcatel** Project: DECT

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

JΡ Country of registration: Application no.: 331170/93 Patent no.:

Countries applicable: JΡ

ETSI Deliverable: ETS 300 175-3

in general clause 4.22, figure 6; subclause 6.2.1.3 more particularly Notes:

Company name: **Alcatel** Project:

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: Application no.: 935885 Patent no.: Countries applicable:

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6; subclause 6.2.1.3 more particularly

Company name: Alcatel Project: DECT

Method for transmitting information at high speed by multiple burst allocation and associate receiving Title:

method and device.

Country of registration: CA 2112511 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 175-3

in general clause 4.22, figure 6; subclause 6.2.1.3 more particularly Notes:

Company name: Alcatel Project: DECT

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: ΑU Application no.: 56167 Patent no.:

Countries applicable: AU

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6. subclause 6.2.1.3 more particularly Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: ΤH Application no.: 1344 Patent no.: Countries applicable: TΗ ETSI Deliverable: ETR 310

Notes:

Alcatel Company name: Project: **DECT** Wireless Tie Line Title:

Country of registration: DF 4201561.8 Application no.: Patent no.: Countries applicable: DE

ETSI Deliverable: ETS 300 822

Notes:

Company name: **Alcatel** Project:

Title: **DECT Frame Synchronization** ΑU

Country of registration: Application no.: Patent no.:

56167 ΑU

Countries applicable: **ETSI Deliverable:** ETR 310 Notes:

Company name: **Alcatel** Project:

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: **EPO** Application no.: 93403177.4 Patent no.: 0605312

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6, subclause 6.2.1.3 more particularly

Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: CN 95191406.5 Application no.: Patent no.:

Countries applicable:

CN ETSI Deliverable: ETR 310

Notes:

Company name: **Alcatel** Project: **DECT**

Title: **DECT Frame Synchronization**

Country of registration: JΡ Application no.: 170176/96 Patent no.: Countries applicable: JΡ **ETSI Deliverable:** ETR 310

Notes:

Company name: **Alcatel** Project: **DECT**

Title: **Burst Alignment Procedure**

Country of registration: FS Application no.: 9402471

Patent no.: Countries applicable: ES **ETSI Deliverable:** ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: BR
Application no.: 9506646-2
Patent no.:
Countries applicable: BR

ETSI Deliverable: Notes:

Company name: Alcatel Project: DECT

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: Application no.: Patent no.: NO 934859

ETR 310

Countries applicable: NO

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6; subclause 6.2.1.3 more particularly

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration: NZ Application no.: 286843 Patent no.:

Countries applicable: NZ ETSI Deliverable: ETR 310

Notes:

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: FI Application no.: 963008 Patent no.:

Countries applicable: ETSI Deliverable:

ETR 310

Notes:

Company name: Alcatel Project: DECT

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: US
Application no.: 175555
Patent no.:
Countries applicable: US

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6; subclause 6.2.1.3 more particularly

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: HU
Application no.: 9601896
Patent no.:
Countries applicable: HU
ETSI Deliverable: ETR 310

Notes:

Company name: Alcatel Project: DECT

Title: Wireless Tie Line
Country of registration: EPO
Application no.: 92121870.7
Patent no.: 553485

Countries applicable: AT, BE, CH, DE, ES, GB, IT, NL, SE

ETSI Deliverable: ETS 300 822

Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: Application no.: 95010299 Patent no.: Countries applicable:

ETSI Deliverable: ETR 310

Notes:

Company name: **Alcatel** Project: **DECT**

Title: **Burst Alignment Procedure**

EPO Country of registration: 95940248.8 Application no.: Patent no.: 795238 Countries applicable: DE, FR, GB, IT, SE ETR 310

ETSI Deliverable:

Notes:

Company name: **Alcatel** Project: **DECT**

Wireless Tie Line Title:

Country of registration: US Application no.: 6808 Patent no.: 5355402 Countries applicable: US ETS 300 822

ETSI Deliverable: Notes:

Company name: **Alcatel** Project: **DECT**

Title: **DECT Frame Synchronization**

Country of registration: US Application no.: 661373

Patent no.:

Countries applicable: US **ETSI Deliverable: ETR 310**

Notes:

Company name: **Alcatel** Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: Application no.: 201195 Patent no.:

Countries applicable: **ETSI Deliverable:** ETR 310

Notes:

Company name: **Alcatel** Project: DECT

Title: **DECT Frame Synchronization**

Country of registration: Application no.: 19523489 Patent no.: Countries applicable: DE **ETSI Deliverable: ETR 310**

Notes:

Company name: Alcatel Project: DECT

Title: **Burst Alignment Procedure**

Country of registration: Application no.: ΑU 41762 Patent no.: Countries applicable: ΑU **ETSI Deliverable:** ETR 310

Company name: **Ascom Management AG**

Project: DECT Title: **Dect Identities** Country of registration: СН Application no.: 2000-2462

Patent no.: Countries applicable:

ETSI Deliverable: EN 300 175-5 (clause 15.9)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ascom Management AG**

Project: DECT

Title: Communication System, Method of Communication and Base Station

Country of registration: Application no.:

EPO 2001-110202

Patent no.:

EPO

Countries applicable: **ETSI Deliverable:**

EN 300 175-3 (annex H)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Canon Project: DECT MMAP Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Canon (Canon Research France - CRF) has declared that, in the event the proposed standard is adopted, Notes:

it is ready to grant licenses under the Essential IPR(s) of the "standard", owned by CRF, on fair, reasonable and non-discriminatory terms and conditions, and provided that a similar grant under

licensee's Essential IPR(s) is made available upon request of CRF.

Company name: Nokia Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: **EPO** Application no.: 96304138.9 Patent no.: EP 748136

DE, ES, FR, GB, IT, NL Countries applicable: **ETSI Deliverable:** ETS 300 756, ETS 300 792

Notes:

Company name: Nokia Project: DECT

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: Application no.: 952813 Patent no.: FI 98176

Countries applicable:

ETSI Deliverable: ETS 300 756, ETS 300 792

Notes:

Company name: Nokia Project: DECT

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: Application no.: 8-136887

Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 756, ETS 300 792

Notes:

Company name: **Nokia Corporation**

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: US 08/849504 Application no.: Patent no.: 6122498 Countries applicable:

ETSI Deliverable: 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Nokia Corporation Company name:

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration:

Application no.: MI95A002579 Patent no.: 1277976 Countries applicable:

ETSI Deliverable: 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: GB Application no.: 9525018,9 Patent no.: 2296161

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: FR Application no.: 9514476 Patent no.: 9514476 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: FΙ Application no.: 945844 Patent no.: 104870

Countries applicable:

ETSI Deliverable: 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

Title: DATA TRANSMISSION METHOD

01.48

Country of registration: SE Application no.: 9504420-2

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: CH Application no.: 3510/95 Patent no.: 691647 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

133

Company name: **Nokia Corporation**

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: FΙ Application no.: 952813 Patent no.: 98176 Countries applicable:

ETSI Deliverable:

01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT Country of registration: CN 96195981,9

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: CN

Application no.: 95196747,9

Patent no.: Countries applicable:

ETSI Deliverable:

01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: DECT

IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND Title:

DECT Country of registration: **EPO** 96304138.9 Application no.:

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: JΡ Application no.: 8-136887

Patent no.: Countries applicable:

ETSI Deliverable: 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: DECT

IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND Title:

DECT Country of registration: RU 97119934 2153238

Patent no.: Countries applicable:

Application no.:

ETSI Deliverable: 01 48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

134

Company name: Nokia Corporation

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: US
Application no.: 08/659590
Patent no.: 081534

Countries applicable:

ETSI Deliverable: 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: DECT

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: PCT

Application no.: PCT/FI96/00305
Patent no.: PCT/FI96/00305
WO 9641490

Countries applicable:

ETSI Deliverable: ETS 300 756, ETS 300 792, 01.48

Notes:

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: DE **Application no.:** DE 19545767,6

Patent no.:

Countries applicable:

ETSI Deliverable: 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: AT
Application no.: A1990/95
Patent no.: 408171

Countries applicable:

ETSI Deliverable: 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

Country of registration: AU 58218/96 Patent no.: DECT 716363

Countries applicable:

ETSI Deliverable: 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: JP Application no.: 08-518306 Patent no.:

Countries applicable:

ETSI Deliverable: 01.4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Telia AB DECT

Project: Title:

Country of registration:

Application no.:

9500121-0

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Telia AB DECT

SF

Project: Title:

Country of registration:

Application no.: Patent no.:

776551

Countries applicable:

ETSI Deliverable:

EPO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project: Title:

Telia AB DECT

Country of registration:

Application no.:

Patent no.: Countries applicable: 9532680

ETSI Deliverable:

ΑU

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Telia AB DECT

Project: Title:

Country of registration:

Application no.:

Patent no.:

9402769-5

Countries applicable:

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Project: Title:

Telia AB **DECT**

Country of registration:

Application no.:

Patent no.: Countries applicable: 5761194

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

Company name: Project:

Telia AB DECT

Title: Country of registration:

Application no.: Patent no.:

680676

Countries applicable: **ETSI Deliverable:**

EPO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Telia AB DECT

Project: Title:

Country of registration:

Application no.:

9458446

Patent no.:

Countries applicable: **ETSI Deliverable:**

ΑU

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Telia AB DECT

Title: Country of registration:

Application no.:

9300162

Patent no.: Countries applicable:

ETSI Deliverable:

SF

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project: Title:

Telia AB DECT

9702266-9

Telia AB

9500365-3

DECT

Country of registration:

Application no.:

Patent no.: Countries applicable:

SE

ETSI Deliverable: Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI

Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

DECT

Notes:

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards Company name: Telia AB

Project: Title:

Country of registration:

Application no.: Patent no.:

PCT/SE98/01087

Countries applicable: **ETSI Deliverable:**

Notes:

EE, EPO, LT, LV, NO

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI

Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Telia AB

Company name: Project:

DECT A Radio-based Communication System

Title:

Country of registration:

Application no.: Patent no.:

PCT PCT/SE95/00259

Countries applicable: **ETSI Deliverable:**

Company name: Telia AB Project:

DECT

Title: A Mobile Radio System

Country of registration:

PCT PCT/SE95/00998

Application no.: Patent no.:

Company name:

Countries applicable: ETSI Deliverable:

Notes:

Telia AB **DECT**

Project: Device at Telecommunication Systems Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: PCT PCT/SE95/00846

ETSI Deliverable: Notes:

Company name: Project:

Telia AB DECT Title:

Country of registration:

Application no.: Patent no.:

722229

Countries applicable:

ETSI Deliverable:

EPO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

Standards

Company name: Telia AB Project: **DECT**

Title: A Mobile Radio System

Country of registration: PCT PCT/SE95/00610

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

Company name: Project:

Title:

Telia AB DECT

Country of registration:

Application no.: Patent no.: Countries applicable: 9504962

ETSI Deliverable: Notes:

NO

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Project: DECT Arrangement for Improving Functions in a Radiocommunications System Title:

Country of registration: Application no.:

Patent no.:

Company name:

Countries applicable: **ETSI Deliverable:** Notes:

EPO 95850041.5

Telia AB

Company name: Telia AB Project: DECT

Title: Arrangement in a DECT System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

EPO 95850001.9 Company name:

Telia AB

Project:

DECT

Title:

A Mobile Radio System

Country of registration: Application no.:

EPO

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

94902147.1

Company name:

Project:

Telia AB **DECT**

Title:

Device at Telecommunication Systems

Country of registration:

Application no.:

PCT PCT/SE95/00845

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

Company name: Project:

Telia AB **DECT**

Title:

Country of registration:

Application no.:

9400119-5

Patent no.: Countries applicable:

ETSI Deliverable:

SE

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project: Title:

Telia AB DECT

Country of registration:

Application no.:

Patent no.:

9624228

Countries applicable:

ETSI Deliverable:

Notes:

PCT

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project: Title:

Telia AB DECT

Country of registration:

Application no.:

Patent no.: Countries applicable: 505209 SF

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name: Project: Title:

Telia AB DECT

Country of registration:

Application no.: Patent no.:

9600458

Countries applicable: **ETSI Deliverable:**

NO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB DECT

Project: Title:

Country of registration:

Application no.:

726690

Countries applicable: **ETSI Deliverable:**

Notes:

Patent no.:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project: Title:

Telia AB **DECT**

Country of registration:

Application no.:

9502052-5

Patent no.: Countries applicable:

ETSI Deliverable:

SE

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project: Title:

Notes:

Telia AB DECT

Country of registration: Application no.:

Patent no.: Countries applicable: 9639785 PCT

ETSI Deliverable:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

DECT/GSM

Company name:

Telia AB DECT/GSM

Project: Title:

Method and Arrangement for Transfer between a Cordless Telecommunications System and a Cellular

Mobile Telecommunications System

Country of registration:

9500407-3 Application no.: Patent no.: 503 848 Countries applicable: SE

ETSI Deliverable:

Notes:

Company name: Project:

Telia AB DECT/GSM

Title:

Arrangement for Handover in a Mobile Telecommunication Network

Country of registration:

Application no.:

9500408-1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

SF

Company name:

Project:

Telia AB DECT/GSM

Title:

Country of registration:

Application no.: Patent no.:

9500407-3

Countries applicable:

ETSI Deliverable:

Notes:

SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project:

Telia AB DECT/GSM

Title:

Country of registration:

Application no.: 9643382 Patent no.: Countries applicable: ΑU

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB DECT/GSM

Project: Title:

Country of registration:

Application no.: Patent no.:

725552

Countries applicable:

ETSI Deliverable:

EPO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project: Title:

Telia AB DECT/GSM

9500408

Country of registration:

Application no.: Patent no.: Countries applicable:

SE

Notes:

ETSI Deliverable:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB DECT/GSM

Project: Title:

Country of registration:
Application no.:

808549

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name: **Project:**

Telia AB DECT/GSM

Title:

Country of registration:

Application no.:

9625015

Patent no.:

Countries applicable: **ETSI Deliverable:**

PCT

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

DIIS

Company name: Motorola Project: DIIS

Title: Digital Communications System

Country of registration: **EPO**

Application no.: Patent no.:

Countries applicable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

ETSI Deliverable: Notes:

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name:

Motorola

Project: Title:

DIIS Wireless Communication System and Station for use therein

Country of registration:

EPO

Application no.: Patent no.:

EP0701335B

Countries applicable:

ETSI Deliverable:

DE, FR, GB, NL, SE

Notes:

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to the extent that the IPRs remain Essential.

Company name:

Motorola

Project: Title:

DIIS Digital Communications System

Country of registration:

Application no.:

GB

Patent no.:

GB2358557A

Countries applicable: **ETSI Deliverable:**

Notes:

GB

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name:

Motorola

Project: Title:

Digital Radio and Digital Radio Communications System

Country of registration:

GB

Application no.:

GB2364204A

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name:

Motorola

Project: Title:

DIIS Digital Radio and Digital Radio Communications System

Country of registration: Application no.:

EPO 01947403.0

Patent no.:

Countries applicable:

ETSI Deliverable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

Notes:

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name:

Motorola

Project:

DIIS

Title: Country of registration: Selective system scan for multizone radiotelephone subscriber units

Application no.: Patent no.:

FP0352786B2

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable: Notes:

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: Communications Apparatus

GB

Country of registration:

Application no.:

Patent no.: GB

Countries applicable: ETSI Deliverable:

Notes:

GB2259387B

In accordance with article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: PROD-EL S.p.A

Project: DIIS

Procedimento per l'utilizzo efficiente di un canale radio bidirezionale Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032

MI2002A000768

MI2002A000206

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

PROD-EL S.p.A Company name:

Project:

Procedimento per la trasmissione efficiente di informazioni Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Synchronisation of power saving

Country of registration: N7 NZ 515924 Application no.: Patent no.:

Countries applicable: ΝZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Power saving in frame portions

Country of registration: ΝZ Application no.: NZ 515960

Patent no.:

Countries applicable: ΝZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Collision management Title:

Country of registration: NZ Application no.: NZ 516117 Patent no.:

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Collision management II

Country of registration: ΝZ Application no.: NZ 516729

Patent no.:

Countries applicable:

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Power Saving II Title:

Country of registration: Application no.:

NΖ NZ 516753

Patent no.:

Countries applicable: **ETSI Deliverable:**

Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Tait Electronics Ltd. Company name:

Project: DIIS

Collision management III Title:

Country of registration: NΖ Application no.: NZ 516985

Patent no.:

Countries applicable: N7

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: **Duplex Transmission**

Country of registration: N7 NZ 508340 Application no.: Patent no.:

Countries applicable:

ΝZ ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Channel announcement

Country of registration: Application no.:

ΝZ NZ 515745

Patent no.:

Countries applicable: ΝZ

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Synchronised sleep

Country of registration: NZ Application no.: NZ 515373 Patent no.:

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Tait Electronics Ltd.

Project:

Title: **Duplex Transmission**

Country of registration: CL Application no.: 2829-2001

Patent no.:

Countries applicable:

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Tait Electronics Ltd.

Project: DIIS

Duplex Transmission Title:

Country of registration: PCT

Application no.: NZ 01/00254

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Tait Electronics Ltd. Company name:

Project:

Power saving transitions Title:

Country of registration: N7 Application no.: NZ 515925 Patent no.:

Countries applicable: N7

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Power control Country of registration: N7 NZ 513942 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

N7

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Tait Electronics Ltd.

Project: DIIS

Title: **Duplex Transmission**

Country of registration: Application no.:

AR PO1010544

Patent no.:

Countries applicable:

ETSI Deliverable:

Work Item Ref.: DEN/ERM-TG32DIIS032 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Unsynchronised sleep

Country of registration: NZ Application no.: NZ 515246 Patent no.:

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32DIIS032

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

DTM

Net Insight Company name: Project: DTM

Title: Method and apparatus for distributing messages in a communication network

Country of registration: SE

Application no.: FP 1024677

Patent no.:

Countries applicable:

ETSI Deliverable: DES/SPAN-13 0005 (ES 201 803-2)

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: **Net Insight**

Project: DTM

Method and arrangement for dynamic signalling Title:

Country of registration:

Application no.: WO 97/36401

Patent no.:

Countries applicable:

ETSI Deliverable: DES/SPAN-13 0005 (ES 201 803-2)

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: **Net Insight** Project: DTM

Title: Method, system and apparatuses for transferring information between nodes in a circuit switched time

division multiplexed network

Country of registration:

Application no.: WO 99/16215

Patent no.:

Countries applicable:

ETSI Deliverable: DES/SPAN-13 0005 (ES 201 803-2)

Notes: The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: **Net Insight**

Project: DTM

Title: Methods and systems for determining network topology

Country of registration:

Application no.:

Patent no.:

Countries applicable:

DES/SPAN-13 0005 (ES 201 803-2) **ETSI Deliverable:**

WO 00/31925

Notes: The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Net Insight Company name: Project: DTM

Title: Method for Changing the Bandwith of a Circuit Switched Channel

Country of registration:

SF Application no.: WO 00/16522

Patent no.:

Countries applicable:

ETSI Deliverable: Work Item: DES/SPAN-130005-3 (ETSI ES 201 803-2-3)

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

DTS

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: ZA

Application no.: PCT/US95/00959

Patent no.: 95/0548
Countries applicable: ZA
ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Country of registration: Medium JP

Application no.: PCT/US95/00959

Patent no.: 3187839
Countries applicable: JP

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium AU

Country of registration: AU
Application no.: PCT/US95/00959

Patent no.: 680341
Countries applicable: AU
ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: MX

Application no.: PCT/US95/00959

Patent no.: 184848
Countries applicable: MX
ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium AR

Country of registration:

Application no.: PCT/US95/00959
Patent no.: AR255019V1
Countries applicable: AR

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Digital Theater Systems, Inc. Company name:

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium US

Country of registration:

Application no.:

Patent no.: 5,451,942 Countries applicable: US **ETSI Deliverable:** TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: CA

PCT/US95/00959 Application no.: Patent no.: 2,180,002 CA Countries applicable: ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration:

PCT/US00/16681; 10-2001-7016475 Application no.:

Patent no.:

Countries applicable: KR

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Digital Theater Systems, Inc. Company name:

Project: DTS

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.:

PCT/US96/18764; No. 984320

Patent no.:

Countries applicable: MX **ETSI Deliverable:** TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Multi-Channel Audio Encoder Title:

Country of registration:

Application no.: 09/186,234 (a divisional Application of U.S. Patent No. 5,956,674)

Patent no.: Countries applicable:

US **ETSI Deliverable:**

TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS Title:

Multichannel Predictive Subband Audio Coder

Country of registration:

Application no.: PCT/US96/18764; P-327 082; P-346 687; P-346 688

Patent no.:

Countries applicable:

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

US

Project:

Title: Sound Quality of Established Low Bit-Rate Audio Coding Systems without Loss of Decoder Compatibility

Country of registration:

Application no.:

Patent no.: 6,226,616 B1 Countries applicable: US ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Title:

Country of registration:

Application no.: Patent no.:

CN

PCT/US00/16681; 00809269.9

Countries applicable: **ETSI Deliverable:**

TS 102 114 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility Title:

Country of registration:

PCT/US00/16681; 00942890.5

Application no.:

Patent no.:

EPO Countries applicable:

ETSI Deliverable: Notes:

TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

ID

ID

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: Application no.:

Patent no.:

PCT/US95/00959; P-950164

Countries applicable:

ETSI Deliverable: Notes:

TS 102 114 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility JP

Country of registration:

Application no.: Patent no.:

PCT/US00/16681

Countries applicable:

JΡ

ETSI Deliverable:

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage Medium

Country of registration:

Application no.:

FPO PCT/US95/00959; 95908115.9

Patent no.:

DE, FR, GB, IT

Countries applicable: **ETSI Deliverable:**

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project:

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: MY

Application no.: PCT/US00/16681; PI 20015600

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

DTS

Title: Country of registration:

Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility SG

Application no.:

PCT/US00/16681; 200107899-9

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: Title:

Discrete Multichannel Audio with a Backward Compatible Mix

Country of registration: US Application no.: 09/568,355

Patent no.:

Countries applicable: US

ETSI Deliverable:

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Notes:

DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration:

EAPO PCT/US96/18764

Application no.: Patent no.:

001087

Countries applicable: **ETSI Deliverable:**

EAPO TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

DTS

Title:

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration:

IN

Application no.:

PCT/US95/00959; 1686/Del/94

Patent no.: Countries applicable:

ETSI Deliverable:

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

DTS Project:

Title: Digitally Encoded Machine Readable Storage Media Using Adaptive Bit Allocation in Frequency, Time

and Over Multiple Channels

Country of registration:

Application no.:

US

Patent no.:

5,978,762 (a divisional Application U.S. Patent No. 5,956,674)

Countries applicable: US

Notes:

TS 102 114

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project:

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: HK

Application no.: PCT/US00/16681

Patent no.:

Countries applicable: HK

ETSI Deliverable: TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

EPO

Project: DTS

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.:

PCT/US96/18764; 96941446.5

Patent no.:

Countries applicable: **ETSI Deliverable:** TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage Title:

Medium

Country of registration: CL

Application no.: PCT/US95/00959; 180.95

Patent no.:

Countries applicable: CL

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Multichannel Predictive Subband Audio Coder Title:

Country of registration: TW

Application no.: PCT/US96/18764

Patent no.: 92765 Countries applicable: TW **ETSI Deliverable:** TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration:

Application no.:

BR PCT/US95/00959; PI 9506695-0

Patent no.:

Countries applicable:

BR

ETSI Deliverable:

TS 102 114

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS Title:

Multichannel Predictive Subband Audio Coder

Country of registration:

Application no.: PCT/US96/18764; PI 9611852-0

Patent no.:

BR

Countries applicable:

TS 102 114

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: CH

Application no.: PCT/US95/00959

Patent no.: 691 113 Countries applicable: СН **ETSI Deliverable:** TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: CA

Application no.:

PCT/US96/18764; 2,238,026 (division of Canada Patent No. 2,331,611)

Patent no.: Countries applicable:

CA

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: HK

PCT/US95/00959; 98114034.2 Application no.:

Patent no.: Countries applicable:

HK

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Digital Theater Systems, Inc. Company name:

Project: DTS

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.:

PCT/US96/18764; 96199832.6

Patent no.:

Countries applicable: CN **ETSI Deliverable:** TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.: PCT/US96/18764

Patent no.: 705194 Countries applicable: ΑU

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration:

Application no.: PCT/US96/18764; 99100515.8

Patent no.: Countries applicable: HK

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration:

Application no.:

PCT/US96/18764; 2592/DEL/96 Patent no.:

Countries applicable: ETSI Deliverable:

TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc. DTS

Project:

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.:

PCT/US96/18764; 521314/97

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.: PCT/US96/18764

Patent no.: 0277819 Countries applicable: KR

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: CN

Application no.:

PCT/US95/00959; 95191502.9

Patent no.:

Countries applicable: CN TS 102 114 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Title: Multichannel Predictive Subband Audio Coder

Country of registration: CA

Application no.: PCT/US96/18764 Patent no.: 2,331,611 Countries applicable: CA

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project:

Discrete Multichannel Audio with a Backward Compatible Mix Title:

Country of registration:

Application no.:

PCT/US01/14878 Patent no.: Countries applicable: **PCT**

ETSI Deliverable: TS 102 114 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: ES

Application no.: PCT/US95/00959

2115513 Patent no.: Countries applicable: ES **ETSI Deliverable:** TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration:

VE PCT/US95/00959 0173-95 Application no.:

Patent no.:

VE

Countries applicable:

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: MY

Application no.:

PCT/US95/00959; PI9502624

Patent no.: Countries applicable:

MY **ETSI Deliverable:**

TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc. DTS

Project:

Title:

A Multi-Channel Predictive Subband Audio Coder Using Psychoacoustic Adaptive Bit Allocation in

Frequency, Time and Over the Multiple Channels US

Country of registration:

Application no.: Patent no.:

5,956,674

Countries applicable:

US

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

KR

Country of registration:

Application no.:

PCT/US95/00959; 96-704141

Patent no.: Countries applicable:

KR

ETSI Deliverable: TS 102 114

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc. Project: DTS

Multi-Channel Audio Decoder Title:

Country of registration: Application no.:

Patent no.: 5,974,380 (a divisional Application U.S. Patent No. 5,956,674)

US Countries applicable:

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Digital Theater Systems, Inc.

Project:

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: TW

Application no.: PCT/US00/16681; 90131969

Patent no.:

Countries applicable:

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium PΗ

Country of registration:

PCT/US95/00959; 51452 Application no.:

Patent no.: Countries applicable:

PΗ

ETSI Deliverable: TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multi-Channel Audio Encoder

Country of registration: US Application no.: 186234 6,487,535 Patent no.:

Countries applicable: US

ETSI Deliverable: ETSI TS 102 114

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

DVB

Company name:

France Telecom

Project:

DVB

Title:

Procédé de codage correcteur d'erreurs à au moins deux codages convolutifs systématiques en parallèle,

procédé de codage itératif, module de décodage et decodeur correspondant

Country of registration:

Application no.:

Patent no.: 91 05280 Countries applicable: FR EN 301 790

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

France Telecom

Project:

DVB

Title:

Procédé de codage correcteur d'erreurs à au moins deux codages convolutifs systématiques en parallèle,

procédé de codage itératif, module de décodage et decodeur correspondant

Country of registration:

Application no.: Patent no.:

5,446,747

Countries applicable: **ETSI Deliverable:**

ÚS

EN 301 790

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

France Telecom

Project:

DVB

Title: Procédé et dispositif de codage à au moins deux codages en parallèle et permutation améliorée du

procédé et dispositif de décodage correspondants

Country of registration:

Application no.:

P 00 0103733

Patent no.: Countries applicable:

AR

AR

ETSI Deliverable:

EN 301 790

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

France Telecom DVB

Project: Title:

Procédé et dispositif de codage à au moins deux codages en parallèle et permutation améliorée du

procédé et dispositif de décodage correspondants

Country of registration:

Application no.:

US 09/616,782

Patent no.:

US

Countries applicable:

ETSI Deliverable:

EN 301 790

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

France Telecom

Project: Title:

Procédé et dispositif de codage à au moins deux codages en parallèle et permutation améliorée du

procédé et dispositif de décodage correspondants

Country of registration:

FR

DVB

Application no.:

PCT FR 00/02080

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

EN 301 790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: France Telecom

Project: DV_R

Title: Procédé et dispositif de codage à au moins deux codages en parallèle et permutation améliorée du

procédé et dispositif de décodage correspondants

Country of registration: Application no.: 99 09631 Patent no.: Countries applicable: FR

ETSI Deliverable: EN 301 790

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: France Telecom

Project: DVB

Title: Procédé de codage itératif, module de décodage et décodeur correspondant

Country of registration: FR

96 107690.8 Application no.:

Patent no.:

DE, GB

Countries applicable: **ETSI Deliverable:** EN 301 790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: France Telecom

DVB Project:

Title: Procédé de codage correcteur d'erreurs à au moins deux codages convolutifs systématiques en parallèle,

procédé de codage itératif, module de décodage et decodeur correspondant

Country of registration:

Application no.:

Patent no.: 98 106926.9 Countries applicable: HΚ

ETSI Deliverable: EN 301 790

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

France Telecom Company name:

Project: DVB

Procédé de codage correcteur d'erreurs à au moins deux codages convolutifs systématiques en parallèle, Title:

procédé de codage itératif, module de décodage et decodeur correspondant

Country of registration:

Application no.:

92 460013.3 Patent no.: Countries applicable: DE, GB **ETSI Deliverable:** FN 301 790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SES-ASTRA**

Project: DVB Title:

Apparatus and method for generating a carrier frequency

Country of registration:

Application no.: EP99107496.4

Patent no.:

Countries applicable: **EPO ETSI Deliverable:** TR 101 790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SES-ASTRA**

Project: DVB

Title: Apparatus and method for generating a carrier frequency

Country of registration:

HK00106169.2

Application no.: Patent no.:

Countries applicable:

HK

Notes:

TR 101 790

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Project:** SES-ASTRA

DVB

Title: Apparatus and method for generating a carrier frequency

Country of registration: Application no.: Patent no.: PCT/EP00/01037 Countries applicable: ETSI Deliverable:

AU, BR, CA, JP, US
TR 101 790
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

ERM

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: GB
Application no.: 9920085.9
Patent no.: 2337664
Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from

the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: GB
Application no.: 9920083.4
Patent no.: 2337663
Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from

the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: EPO 96908234.6

Patent no.:

Countries applicable: EPO

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd.

Project: ERM

Title: M/B Data Service

Country of registration: JP
Application no.: 8-529083
Patent no.:

Countries applicable:

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from

the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: GB
Application no.: 9920087.5
Patent no.: 2337665
Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: PCT

Application no.: PCT/GB9600751

Patent no.: Countries applicable:

PCT

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd.
Project: ERM
Title: Prolong-X
Country of registration: AU
Application no.: 72340/94
Patent no.: 683281

Countries applicable: AU

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd.
Project: ERM
Title: Prolong-X
Country of registration: JP
Application no.: 7-521,026

Patent no.:

Countries applicable: JF

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

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Company name: Inmarsat Ltd.
Project: ERM
Title: Prolong-X
Country of registration: EPO
Application no.: 94921737.6
Patent no.: 744109
Countries applicable: EPO

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

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Company name: Inmarsat Ltd.
Project: ERM
Title: Prolong-X
Country of registration: US
Application no.: 08/403.735
Patent no.: cancelled
Countries applicable: US

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: US Application no.: 08/927202 Patent no.: 5877871

Countries applicable: US

(Work Item: DEN/ERM-TG26-034) EN 301 403 ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: MXApplication no.: 9500853 Patent no.: 190168 Countries applicable: MX

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Inmarsat Ltd. Company name: Project: **ERM** Title: Prolong-X Country of registration: PCT

Application no.:

PCT/GB94/01618

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable: Notes:

(Work Item: DEN/ERM-TG26-034) EN 301 403

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the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Inmarsat Ltd. Company name: Project: FRM Prolong-X Title: Country of registration: GB Application no.: 9402501.2 Patent no.: 2286739 Countries applicable: GB

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes:

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Company name: Inmarsat Ltd. Project: **ERM**

M/B Data Service Title:

Country of registration: CA Application no.: 2213753 Patent no.:

Countries applicable:

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project:

Title: M/B Data Service

Country of registration: US Application no.: 08/930,037 Patent no.: 6278696

Countries applicable:

(Work Item: DEN/ERM-TG26-034) EN 301 403 ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: **ERM**

Title: M/B Data Service

Country of registration: US Application no.: 09/865460 Patent no.:

Countries applicable: US

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from

the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Inmarsat Ltd. Company name: Project: **ERM** Prolong-X Title: Country of registration: CA 2182809 Application no.: Patent no.:

Countries applicable:

CA ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must

comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Inmarsat Ltd. Company name: Project: FRM

M/B Data Service Title:

Country of registration: GB 9506759.1 Application no.: Patent no.: 2300540 Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Inmarsat Ltd. Project: **ERM**

M/B Data Service Title:

Country of registration: IN

Application no.: 927/MAS/96

Patent no.:

Countries applicable:

ETSI Deliverable:

(Work Item: DEN/ERM-TG26-034) EN 301 403

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Inmarsat has international obligations to act exclusively for peaceful purposes and any licensed technology must comply with this restriction. A summary of the interpretation of peaceful purposes can be obtained from

the General Counsel's Office at Inmarsat, 99 City Road, London EC1Y 1AX, United Kingdom.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title: Remote Position Determination System

Country of registration:

US

Application no.: Patent no.: Countries applicable:

5,379,047

ETSI Deliverable:

US EN 300 220

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will be updated accordingly upon Nexus Telocation System's instructions.

Company name:

Nexus Telocation Systems, Ltd.

Project: Title:

New Phase Modulation Technique for PLL Circuits (PFSK)

Country of registration:

Application no.: Patent no.:

0917249.5-2413-IL0000203

Countries applicable:

EPO

ETSI Deliverable:

EN 300 220

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

US

Title:

Synchronization System for a Shared Channel Communication System

Country of registration:

Application no.: Patent no.:

5,712,867

Countries applicable:

US

ETSI Deliverable:

EN 300 220

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title:

Low Power Frequency Hopped Sp-Sp Paging System

Country of registration:

Application no.:

US

Patent no.: Countries applicable: **ETSI Deliverable:**

5,430,759 US

Notes:

EN 300 220

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

US

Project:

Title: Multi-Path Resistant FH Spread Spectrum Mobile Location System

Country of registration:

Application no.:

Patent no.: 5,583,517 Countries applicable: US ETSI Deliverable: EN 300 220

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

US

Project:

Title: A Method of Transmitting Low-Power Freq. Hopped SpSp Data

Country of registration:

Application no.:

5,546,422

Patent no.: Countries applicable:

US

EN 300 220

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title:

Position Location Using Interferometric Direction Finding US

Country of registration:

Application no.:

5,530,452

Patent no.: Countries applicable: **ETSI Deliverable:**

US

Notes:

EN 300 220

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

ERMES

Company name: Guy Le Nouveau

Project: **ERMES**

Title: Module additionnel d'émission radio pour récepteur de radiomessagerie permettant l'émission d'un

accusé de réception

Country of registration:

Application no.:

Patent no.: 94 06043 Countries applicable: FR

ETSI Deliverable: Notes:

14 impasse des Verbeuses, 94800 Villejuif, France

Company name: Motorola Project: **ERMES**

Title: Multiple Frequency Message System

FR

Country of registration: **EPO**

Application no.: EP 89909668.9

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Motorola Project: **ERMES**

Decoder for Transmitted Message Activation Codes Title:

Country of registration:

Application no.:

EP 0 090 851 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Motorola **ERMES** Project:

Multiple Format Signalling Protocol for a Selective Call Receiver Title:

Country of registration: **EPO**

Application no.: EP 92901376.1

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Motorola Company name: Project: **ERMES**

Title: Multiple Frequency Scanning

EPO

Country of registration: Application no.: EP 91904526.0

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Motorola Company name: Project: **ERMES**

Title: Power Conservation Method and Apparatus for a Portion of an Information Signal

Country of registration: FPO

Application no.: EP 89913131.2

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

Company name: Motorola Project: **ERMES**

Title: Nation-wide Paging with Local Modes of Operation

Country of registration: FPO

Application no.: EP 90915018.7

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Low-Power Frequency-Hopped Spread Spectrum Acknowledgment Paging System

Country of registration: **EPO** Application no.: 95900245.2

Patent no.: Countries applicable:

ETSI Deliverable: Notes: **ERMES 2-Way Paging**

Nexus Telocation Systems, Ltd. Company name:

Project: **ERMES**

Two-Way Pager Having Prerecorded Uplink Messages and Pager to Pager Messaging Title:

Country of registration: PCT

Application no.: GB96/00257

Patent no.: Countries applicable:

ETSI Deliverable: Notes: **ERMES 2-Way Paging**

Company name: Nexus Telocation Systems, Ltd. Project: **ERMES**

Title: Synchronization System For A Shared Channel Communication System

PCT Country of registration: Application no.:

Patent no.: GB96/00268

Countries applicable: **ETSI Deliverable:**

Notes: **ERMES 2-Way Paging**

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Multi-Path Resistant Frequency-Hopped Spread Spectrum Mobile Location System **PCT**

Country of registration: Application no.:

Patent no.:

IB94/00372

Countries applicable:

ETSI Deliverable:

Notes: **ERMES 2-Way Paging**

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Differential Ranging For A Frequency-Hopped Remote Position Determination System

Country of registration:

Application no.:

GB96/00270 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Low-Power Frequency-Hopped Spread Spectrum Acknowledgment Paging System Title:

Country of registration: **PCT**

Application no.:

IB94/00370 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: **ERMES 2-Way Paging**

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Pager with Reverse Paging Facility

Country of registration: **EPO**

Application no.: 92311872.3

Patent no.: Countries applicable: ETSI Deliverable:

Notes: **ERMES 2-Way Paging** Company name: Nexus Telocation Systems, Ltd.

GB

Project:

Title: Remote Position Determination System

Country of registration:

Application no.:

Patent no.: 0583522

Countries applicable: AT, DE, FR, GB, IT, NL **ETSI Deliverable: ERMES 2-Way Paging** Notes:

Company name:

Nexus Telocation Systems, Ltd.

Project:

ERMES

Title:

Remote Position Determination System

Country of registration: Application no.:

NL

Patent no.:

0583522

Countries applicable:

ETSI Deliverable:

AT, DE, FR, GB, IT, NL

Notes:

ERMES 2-Way Paging

Company name: Project:

Nexus Telocation Systems, Ltd.

Title:

ERMES Remote Position Determination System AT

Country of registration:

Application no.: Patent no.:

0583522

Countries applicable:

AT, DE, FR, GB, IT, NL

ETSI Deliverable: Notes:

ERMES 2-Way Paging

Company name:

Nexus Telocation Systems, Ltd.

Project:

ERMES

Title:

Remote Position Determination System

Country of registration: DE

Application no.: Patent no.:

0583522

Countries applicable:

AT, DE, FR, GB, IT, NL

ETSI Deliverable: Notes:

ERMES 2-Way Paging

Company name:

Nexus Telocation Systems, Ltd. **ERMES**

Project: Title:

Remote Position Determination System FR

Country of registration:

Application no.: Patent no.:

0583522

Countries applicable:

AT, DE, FR, GB, IT, NL

ETSI Deliverable:

ERMES 2-Way Paging

Company name:

Nexus Telocation Systems, Ltd.

Project:

Notes:

ERMES

Title: Country of registration: Remote Position Determination System

Application no.:

0583522

Patent no.: Countries applicable:

AT, DE, FR, GB, IT, NL

ETSI Deliverable:

Notes:

Notes:

ERMES 2-Way Paging

Company name:

Nexus Telocation Systems, Ltd.

Project:

Title: Country of registration: Remote Position Determination System

IT

Application no.: Patent no.:

0583522

ERMES

Countries applicable:

AT, DE, FR, GB, IT, NL

ETSI Deliverable:

ERMES 2-Way Paging

Nexus Telocation Systems, Ltd. ERMES

Synchronization System for a Shared Channel Communication System

Company name:
Project:
Title:
Country of registration:
Application no.:
Patent no.:
Countries applicable:
ETSI Deliverable:
Notes: Ε̈́ΡΟ 96901912.4

ERMES 2-Way Paging

GMPRS

Company name: **Hughes Network Systems**

Project: **GMPRS**

Title: Method and System of Frame Timing Synchronization in TMDA Based Mobile Satellite Communication

System

Country of registration:

Application no.:

Patent no.: 5,790,939 Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts) Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: **GMPRS**

Title: Method and System for Mobile Alerting in a Mobile Satellite Communication System

Country of registration:

Application no.:

Patent no.: 5,974,092

Countries applicable: US

ETSI Deliverable: ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

Title: Communication Network Initialization Apparatus and Method for Fast GPS -Based Positioning US

Country of registration:

Application no.:

6.067.045

Patent no.:

Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: **GMPRS**

Title:

Spot Beam Selection in a Mobile Satellite Communication System US

Country of registration:

Application no.: Patent no.: 6,233,451 Countries applicable: US

ETSI Deliverable: ETSITS 101 376 (all parts & subparts)

Notes:

Company name: **Hughes Network Systems**

US

Project: **GMPRS**

Title: Apparatus and Method for Delivering Key Information of a Channel Request Message from a User

Terminal to a Network

Country of registration:

Application no.:

Patent no.: 6,249,677 Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project:

GMPRS

Title:

System and Method for Implementing Terminals to Terminal Connections via a Geosynchronous Earth

Orbit Satellite

Country of registration:

Application no.:

6,278,876

US

Patent no.: Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: Title:

Paging Reception Assurance in a Multiply Registered Wireless Transceiver

Country of registration: US

Application no.:

Patent no.: Countries applicable: 6,282,178 US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project:

GMPRS

Title: Country of registration: Error and Flow Control in a Satellite Communications System US

Application no.:

Patent no.:

6,289,482

Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project:

GMPRS

Title:

Burst Format and Associated Signal Processing to Improve Frequency and Timing Estimation for Random Access Channels

Country of registration:

Application no.:

US

Patent no.: Countries applicable: 6,373,858 ÚS

ETSI Deliverable:

Notes:

ETSITS 101 376 (all parts & subparts)

Project: **GMPRS**

Title: Medium Access Control For a Mobile Satellite System

Country of registration:

Application no.:

Patent no.: 5,689,568

Countries applicable: US

ETSI Deliverable: ETSITS 101 376 (all parts & subparts)

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These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: **GMPRS**

Title: Method for Implementing Ciphered Communication for Single-Hop Terminal-To-Terminal Calls in a Mobile

Satellite System US

Country of registration:

Application no.:

Patent no.:

6,516,065 Countries applicable: US

ETSI Deliverable:

ETSITS 101 376 (all parts & subparts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name: **Hughes Network Systems**

Project:

Power Control System for Communications Channels Title:

Country of registration:

Application no.:

6,298,220

Patent no.: Countries applicable:

ÚS

ETSI Deliverable: Notes:

ETSITS 101 376 (all parts & subparts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard

Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Hughes Network Systems Company name:

GMPRS Project:

Signalling Maintenance for Discontinuous Information Communications Title:

Country of registration:

Application no.: 6,385,447

Patent no.: Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name: **Hughes Network Systems**

Project:

Communication Network Initialization Apparatus and Method for Fast GPS-Based Positioning Title:

Country of registration:

Application no.:

6,400,319

US

Patent no.: Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

Project: **GMPRS**

Title: Facsimile Call Success Rates in Long Delay Environments

Country of registration:

Application no.:

Patent no.: 6,411,689

Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project: **GMPRS**

Title: Synchronization in Mobile Satellite Systems Using Dual-Chirp Waveform

Country of registration:

Application no.: Patent no.:

6,418,158

US

Countries applicable: US

ETSI Deliverable: ETSI TS 101 376 (all parts & subparts) Notes:

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Company name:

Hughes Network Systems

Project:

Immediate Channel Assignment in a Wireless System Title:

Country of registration:

Application no.:

US

Patent no.: 6,438,386

Countries applicable: US

ETSI Deliverable: Notes:

ETSI TS 101 376 (all parts & subparts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: **GMPRS**

System and Method for Performing Combined Multi-Rate Convolutional Coding Title: US

Country of registration: Application no.:

6,487,251

Patent no.: Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project: **GMPRS**

Method and System for Positioning Determination Using Geostationary Earth Orbit Satellite Title: US

Country of registration:

Application no.:

6,515,617

Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

Patent no.:

Project: **GMPRS**

Title: Mobile Satellite System and Method for Implementing a Single-Hop Terminal-To-Terminal Call

Country of registration:

Application no.:

Patent no.: 6,314,290

Countries applicable: US

ETSI Deliverable: ETSITS 101 376 (all parts & subparts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376.

These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project: **GMPRS**

Title: Method for Implementing a Terminal-To-Terminal Call with an Optimal Use of Radio Resources in a

Mobile Satellite System

Country of registration:

Application no.: Patent no.:

US

Countries applicable:

6,353,738

ETSI Deliverable:

US ETSITS 101 376 (all parts & subparts)

Notes:

GMR

Company name:

Digital Voice Systems Inc. (DVSI)

Project:

GMR

Title:

Country of registration: US

Application no.:

Patent no.:

5,754,974

Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

US

Application no.: Patent no.:

5,226,084

Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

US

Application no.: Patent no.:

5.226.084

Countries applicable:

US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

US

Application no.:

5.754.974 US

Countries applicable:

TS 101 377 (all parts & sub-parts)

ETSI Deliverable: Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101

377-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

Application no.:

US

Patent no.:

5,701,390

Countries applicable: ETSI Deliverable:

US

TS 101 377 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 377-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project:

GMR

Title: Country of registration:

US

Application no.:

Patent no.: Countries applicable: 5,715,365 US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 377-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

US

Application no.: Patent no.:

5,826,222

Countries applicable:

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project:

Title:

Country of registration:

US

Application no.: Patent no.:

5,701,390

Countries applicable:

US

ETSI Deliverable: Notes:

TS 101 376 (all parts & sub-parts) The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

Application no.:

US

Patent no.:

5,826,222

Countries applicable: ETSI Deliverable:

US TS 101 377 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 377-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name:

Digital Voice Systems Inc. (DVSI)

Project: Title:

GMR

Country of registration:

US

Application no.:

Patent no.: Countries applicable: 5,715,365

ETSI Deliverable:

US TS 101 376 (all parts & sub-parts)

Notes:

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Company name:

Ericsson Mobile Communications

Project: **GMR**

Power Booster

Country of registration:

Application no.:

GB

Patent no.: Countries applicable: GB 2 251 768 GB

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Ericsson has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specifications TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards. Ericsson may, from time to time, specifically identify to ETSI such IPRs when isued by the respective Patent Offices in which they are pending.

Company name:

Ericsson Mobile Communications

Project: Title:

GMR

Transmitter Power Control for Radio Telephone System

Country of registration:

Application no.:

Patent no.:

GB 2 233 517

Countries applicable:

GB

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Ericsson has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specifications TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards. Ericsson may, from time to time, specifically identify to ETSI such IPRs when isued by the respective Patent Offices in which they are pending.

Company name: **Ericsson Mobile Communications**

Project: **GMR**

Title: Power Booster GB

Country of registration:

Application no.:

Patent no.: GB 2 251 768

Countries applicable: GB

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

Notes:

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Company name: **Ericsson Mobile Communications**

Project:

Transmitter Power Control for Radio Telephone System Title:

Country of registration:

Application no.:

Patent no.: GB 2 233 517

Countries applicable:

GB

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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Company name: **Ericsson Mobile Communications**

Project: **GMR**

Title: Receiver Gain

Country of registration:

Application no.: Patent no.:

GB 2 233 846

Countries applicable:

GB

GB

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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Ericsson Mobile Communications Company name:

Project:

Improvements in, or in relation to, equalisers Title:

Country of registration:

Application no.:

GB

Patent no.: GB 2 215 567

Countries applicable: GB

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

Notes:

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Company name: **Ericsson Mobile Communications**

Project: **GMR** Title: Receiver Gain GB

Country of registration:

Application no.:

Patent no.: GB 2 233 846

Countries applicable: GB

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

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Company name: **Ericsson Mobile Communications**

Project:

Title: Improvements in, or in relation to, equalisers

Country of registration:

Application no.:

Patent no.: GB 2 215 567

Countries applicable:

ETSI Deliverable:

GB TS 101 376 (all parts & sub-parts)

Notes:

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identify to ETSI such IPRs when isued by the respective Patent Offices in which they are pending.

Company name:

Hughes Network Systems

Project: **GMR**

Title: Power Control System for Communications Channels

Country of registration:

Application no.: Patent no.:

6,298,220

Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name: **Hughes Network Systems**

Project:

Title: Signalling Maintenance for Discontinuous Information Communications

Country of registration:

Application no.: Patent no.:

6,385,447

Countries applicable: US

ETSI Deliverable:

ETSITS 101 376 (all parts & subparts)

Notes:

Company name: **Hughes Network Systems**

Project: **GMR**

Title: Method and System of Frame Timing Synchronization in TMDA Based Mobile Satellite Communication

Method and System for Mobile Alerting in a Mobile Satellite Communication System

System US

Country of registration:

Application no.:

Patent no.: 5,790,939 Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

GMR

Title: Country of registration:

Application no.:

US

Patent no.: Countries applicable: 5,974,092 US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project: **GMR**

Title: Communication Network Initialization Apparatus and Method for Fast GPS -Based Positioning

Country of registration:

Application no.:

Patent no.: Countries applicable: 6,067,045 US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

GMR

Title: Country of registration: Spot Beam Selection in a Mobile Satellite Communication System

Application no.:

Patent no.:

6,233,451

Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

US

Title:

Apparatus and Method for Delivering Key Information of a Channel Request Message from a User

Terminal to a Network

Country of registration:

Application no.:

Patent no.: Countries applicable:

6,249,677 US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

Project: **GMR**

Title: System and Method for Implementing Terminals to Terminal Connections via a Geosynchronous Earth

Orbit Satellite

Country of registration:

Application no.: Patent no.:

6,278,876 US

US

Countries applicable: **ETSI Deliverable:**

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

GMR

Title: Country of registration: Error and Flow Control in a Satellite Communications System US

Application no.: Patent no.:

6,289,482

Countries applicable: **ETSI Deliverable:**

US ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project: **GMR**

Title: Medium Access Control For a Mobile Satellite System

Country of registration:

Application no.:

5,689,568

Patent no.: Countries applicable:

ÚS

ETSI Deliverable: Notes:

ETSI TS 101 376 (all parts & subparts)

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Company name:

Hughes Network Systems

Project: Title:

GMR

Country of registration:

Mobile Satellite System and Method for Implementing a Single-Hop Terminal-To-Terminal Call

Application no.:

6,314,290

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

Title:

Method for Implementing a Terminal-To-Terminal Call with an Optimal Use of Radio Resources in a

Mobile Satellite System

Country of registration:

Application no.:

6,353,738

Patent no.: Countries applicable:

US

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

Company name: **Hughes Network Systems**

US

Project: **GMR**

Title: Burst Format and Associated Signal Processing to Improve Frequency and Timing Estimation for Random

Access Channels

Country of registration:

Application no.:

Patent no.: 6,373,858 Countries applicable:

ETSI Deliverable:

Notes:

US

ETSI TS 101 376 (all parts & subparts)

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Company name:

Hughes Network Systems

Project:

GMR

Title:

Method for Implementing Ciphered Communication for Single-Hop Terminal-To-Terminal Calls in a Mobile

Satellite System US

Country of registration:

Application no.:

Patent no.: Countries applicable: 6,516,065

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

Title:

Method and System for Positioning Determination Using Geostationary Earth Orbit Satellite US

Country of registration:

Application no.: Patent no.:

6,515,617

Countries applicable:

US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

UŚ

Title:

System and Method for Performing Combined Multi-Rate Convolutional Coding

Country of registration:

Application no.:

6,487,251

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

US

Title:

Immediate Channel Assignment in a Wireless System

Country of registration:

Application no.: Patent no.:

6,438,386

Countries applicable: **ETSI Deliverable:**

US

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name: **Hughes Network Systems**

Project:

Title: Synchronization in Mobile Satellite Systems Using Dual-Chirp Waveform

Country of registration:

Application no.:

Patent no.: 6,418,158

Countries applicable:

ETSI Deliverable:

US ETSITS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project:

Facsimile Call Success Rates in Long Delay Environments

Country of registration:

Application no.: Patent no.:

6,411,689

GMR

US

Countries applicable: US

ETSI Deliverable: ETSI TS 101 376 (all parts & subparts)

Notes:

Title:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI Standard Nos. TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and subparts of TS 101 376. These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name:

Hughes Network Systems

Project:

Title: Communication Network Initialization Apparatus and Method for Fast GPS-Based Positioning

Country of registration:

Application no.:

US

Patent no.: 6,400,319 Countries applicable: US

ETSI Deliverable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Hughes Network Systems

Project: **GMR**

Paging Reception Assurance in a Multiply Registered Wireless Transceiver Title:

Country of registration: Application no.:

6,282,178 Patent no.: US

ETSI Deliverable:

US

Countries applicable:

ETSI TS 101 376 (all parts & subparts)

Notes:

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Company name:

Lockheed Martin Corporation

Project: **GMR**

Title: Enhanced Access Burst for Random Access Channels in TDMA Mobile Satellite System

US

Country of registration:

Application no.: Patent no.:

5,875,182

Countries applicable: ETSI Deliverable:

US

Notes:

TS 101 377 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

Company name: **Lockheed Martin Corporation**

Project:

Title: Spacecraft Cellular Communication System

Country of registration: Application no.:

Patent no.:

5,974,314

Countries applicable: ETSI Deliverable:

US

TS 101 376 (all parts & sub-parts)

Notes:

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expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project: Title:

Spacecraft Cellular Communication System

Country of registration:

US

Application no.: Patent no.:

5,974,314

Countries applicable:

US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project:

Title:

Spacecraft Cellular Communication System

Country of registration:

Application no.:

5, 974,315

Patent no.: Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

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expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project: Title:

Spacecraft Cellular Communication System

Country of registration:

Application no.: Patent no.:

US

Countries applicable:

5, 974,315 ÚS

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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Lockheed Martin Corporation

Project:

Title:

Spacecraft Cellular Communication System with Mutual Offset High-Margin Forward Control Signals

Country of registration: Application no.:

Patent no.:

6,072,985

Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

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expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project: Title:

Spacecraft Cellular Communication System with Mutual Offset High-Margin Forward Control Signals

US

Country of registration:

Application no.: Patent no.:

6,072,985

Countries applicable:

US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project: Title:

GMR

US

2.4-to-3 KBPS Rate Adaptation Apparatus for Use in Narrowband Data and Facsimile Communication Systems

Country of registration:

Application no.: Patent no.:

6,108,348

Countries applicable:

US TS 101 377 (all parts & sub-parts)

ETSI Deliverable: Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and

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expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project:

GMR

Title:

Enhanced Access Burst for Random Access Channels in TDMA Mobile Satellite System

Country of registration: Application no.:

US

Patent no.:

5,875,182 US

Countries applicable: **ETSI Deliverable:**

TS 101 376 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

Lockheed Martin Corporation

Project:

Title:

Spacecraft Cellular Communication System with Spot Beam Pairing for Reduced Updates

Country of registration: Application no.:

Patent no.:

6,118,998

Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project: Title:

Spacecraft Cellular Communication System with Spot Beam Pairing for Reduced Updates

Country of registration:

Application no.: Patent no.:

6,118,998

US

Countries applicable:

US

ETSI Deliverable:

Notes:

TS 101 377 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project:

GMR

Title:

2.4-to-3 KBPS Rate Adaptation Apparatus for Use in Narrowband Data and Facsimile Communication

Systems US

Country of registration:

Application no.: Patent no.:

6,108,348

Countries applicable:

US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

expected to be "Essential IPRs" in relation to the standard.

Company name:

Lockheed Martin Corporation

Project:

Title:

Cellular Spacecraft TDMA Communications System with Call Interrupt Coding System for Maximizing

Traffic Throughput US

Country of registration:

Application no.:

Patent no.: Countries applicable: 5,717,686 US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

Company name: **Lockheed Martin Corporation**

Project:

Cellular Spacecraft TDMA Communications System with Call Interrupt Coding System for Maximizing Title:

Traffic Throughput US

Country of registration: Application no.:

Patent no.:

5,717,686 ÚS

Countries applicable: **ETSI Deliverable:**

TS 101 377 (all parts & sub-parts)

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

GPRS

Company name: Alcatel Project: **GPRS**

Title: Half Duplex Mobile for Packet Transmission

Country of registration: **EPO** 884 864 Application no.:

Patent no.:

Countries applicable: DE, ES, FI, GB, IT, SE

ETSI Deliverable: 3GPP TS 45.002 V5.6.0 Release 5; ETSI TS 145 002 V5.6.0; 3GPP TS 44.06 V5.3.0 Release 5; ETSI TS

144 060 V5.3.0.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Alcatel Project: **GPRS**

Title: Packet Mode in Cellular Radio

Country of registration:

Application no.:

1 151 238A

Patent no.: Countries applicable: CN

ETSI Deliverable: GSM 05.02 V4.10.1; ETSI ETS 300 574; GSM 04.60 V6.4.1; ETSI EN 301 349 V6.4.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Alcatel** Project: **GPRS**

Title: Packet Mode in Cellular Radio US

Country of registration:

Application no.:

5 894 472 Patent no.: US

Countries applicable:

ETSI Deliverable: GSM 05.02 V4.10.1; ETSI ETS 300 574; GSM 04.60 V6.4.1; ETSI EN 301 349 V6.4.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Alcatel** Project: **GPRS**

Half Duplex Mobile for Packet Transmission Title:

Country of registration: CN Application no.: 1 202 062A

Patent no.: Countries applicable: CN

3GPP TS 45.002 V5.6.0 Release 5; ETSI TS 145 002 V5.6.0; 3GPP TS 44.06 V5.3.0 Release 5; ETSI TS **ETSI Deliverable:**

144 060 V5.3.0.

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Alcatel** Project: **GPRS**

Half Duplex Mobile for Packet Transmission Title:

Country of registration:

Application no.: Patent no.:

6 469 996

Countries applicable: US

ETSI Deliverable: 3GPP TS 45.002 V5.6.0 Release 5; ETSI TS 145 002 V5.6.0; 3GPP TS 44.06 V5.3.0 Release 5; ETSI TS

144 060 V5.3.0.

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Alcatel** Project: **GPRS**

Title: Packet Mode in Cellular Radio

Country of registration: Application no.:

Patent no.: 2 719 959 Countries applicable:

ETSI Deliverable: GSM 05.02 V4.10.1; ETSI ETS 300 574; GSM 04.60 V6.4.1; ETSI EN 301 349 V6.4.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Alcatel Project: **GPRS**

Title: Packet Mode in Cellular Radio

EPO

Country of registration:

Application no.:

Patent no.: 776583

Countries applicable: ETSI Deliverable:

DE, ES, FR, GB, IT GSM 05.02 V4.10.1; ETSI ETS 300 574; GSM 04.60 V6.4.1; ETSI EN 301 349 V6.4.1

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Alcatel Project: **GPRS**

Half Duplex Mobile for Packet Transmission Title:

Country of registration:

Application no.:

Patent no.: 2 764 463 Countries applicable:

ETSI Deliverable: 3GPP TS 45.002 V5.6.0 Release 5; ETSI TS 145 002 V5.6.0; 3GPP TS 44.06 V5.3.0 Release 5; ETSI TS

144 060 V5.3.0.

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: De Te Mobil GmbH

GPRS Project:

Title: Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz

Country of registration: DE

Application no.: DE 44 02 903

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

De Te Mobil GmbH

Company name: Project: **GPRS**

Title: Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz

PCT

DF

Country of registration:

Application no.: PCT/DE/00121

Patent no.:

Countries applicable: AT, AU, BE, BG, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, IE, IT, JP, KR, LI, LU, MC, NL, PL, PT,

RU, SE, SK, UA, US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **GPRS**

Method for propagation delay control Title: JP

521286/98

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GPRS**

Method and apparatus for improving performance of a packet communications system Title:

Country of registration:

US Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

6031832

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Project:**

Title: Method and apparatus for improving performance of a packet communications system

Country of registration:

Application no.:

Patent no.: Countries applicable: 101304

Ericsson

GPRS

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: GPRS

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

TH 040934

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Company name: Ericsson

Project: GPRS

Title: Method for propagation delay control

Country of registration: Application no.:

ΑU

731007

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title: Method for propagation delay control

Country of registration: BF

Application no.:

PI9712464-8

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRS remain ESSE

Company name: Ericsson
Project: GPRS

Title: Method for propagation delay control

Country of registration: Application no.: Patent no.:

CA 2269704

Countries applicable: ETSI Deliverable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Method for propagation delay control CN

97181188-1

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

504049

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Method for propagation delay control Title:

Country of registration:

Application no.: 17373/99

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

HU

Title:

Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

97946222-3

Patent no.:

Countries applicable:

DE, FR, GB, IT

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method for propagation delay control

Country of registration:

KR

Application no.:

Patent no.:

10-1999-7003786

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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Ericsson GPRS

Project: Title:

Method for propagation delay control

Country of registration: Application no.:

MX993937

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Method for propagation delay control RU

Application no.:

99111506

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

6205157

Project: Title:

Method for propagation delay control

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Project:

Ericsson GPRS

Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre MY

Country of registration:

Application no.:

Patent no.:

PI9705856

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration:

Application no.:

9604597-6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GPRS

Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration: Application no.:

41214

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Project: Title:

GPRS

Country of registration:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre TW

Application no.: Patent no.:

Company name:

86119204

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Method for propagation delay control

Country of registration: Application no.:

EPO

Patent no.:

97911569

Countries applicable:

ETSI Deliverable:

DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration:

3549/DEL/97

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and arrangement in a radio communication system CA

Country of registration: Application no.:

Patent no.:

2216400

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: A Method for System Registration and Cell Reselection

Country of registration: CN 96198838X Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Method and apparatus for improving performance of a packet communications system Title:

Country of registration: MY Application no.: PI9705588

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

CN

Method and arrangement in a radio communication system Title:

Country of registration:

Application no.: 96194057-3

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Method and arrangement in a radio communication system

Country of registration: Application no.: 96909413-5

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

DE, ES, FI, FR, GB, IT, NL

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Method and arrangement in a radio communication system JΡ

529244/96

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method and arrangement in a radio communication system

Country of registration: Application no.: 706882/97

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GPRS**

Method and arrangement in a radio communication system Title:

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

GPRS

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Ericsson

NO

97/4488

Method and apparatus for improving performance of a packet communications system

97/10591

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson

Title: Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.: 2150794

Countries applicable: ETSI Deliverable:

Notes:

Title:

RU

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

GPRS Method and apparatus for improving performance of a packet communications system

Country of registration: CN

Application no.: Patent no.:

97181467/8

Ericsson

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: Application no.:

98801831-4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Method and apparatus for improving performance of a packet communications system Title:

Country of registration:

Application no.:

10-1999-7004680

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GPRS** Title:

A Method for Paging Mobile Stations BR

Country of registration: Application no.:

PI9611059-7

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project:

Title: Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.:

SG 45599

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.:

9501177

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GPRS

6097717

Project: Title:

Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title: Country of registration: Method and apparatus for improving performance of a packet communications system .IP 524612/98

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Title:

Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

994959

3395/DEL/1997

Title:

Method and apparatus for improving performance of a packet communications system MX

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and arrangement in a radio communication system

Country of registration:

Application no.:

Patent no.:

BF 96909413-5

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

Application no.:

Patent no.:

5910949

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Ericsson

2039162

Project: Title: GPRS

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:
Patent no.:

633148

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

GPRS

Method of adapting a mobile radio communication system to traffic and performance requirements
CA

Country of registration: Application no.:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

69003915

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

415898

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

Patent no.:

707346

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

6061346

Project: Title:

GPRS

Country of registration:

Secure access method, and associated apparatus, for accessing a private data communication network

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration:

MX996494

Ericsson

528116/98

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GPRS**

Title:

Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Secure access method, and associated apparatus, for accessing a private data communication network FPO

Country of registration: Application no.:

98901145-7

Patent no.:

Countries applicable:

ETSI Deliverable:

DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project: Title:

GPRS Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: Application no.:

CN 98803340-2

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **GPRS**

Project: Title:

Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: Application no.:

CA 2277054

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration:

BR

Application no.:

PI9806769-9

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Title:

Country of registration: PI9806901-2

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Method for providing a unique temporary identification of a mobile station

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

US

Application no.:

Patent no.:

08/796110

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson GPRS

Project: Title:

Method in a communication network

Country of registration:

MY

Application no.:

PI20005336

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title: GPRS Packet Channel Feedback

Country of registration:

TW 87102076

Application no.: Patent no.:

871

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

321257

Project:

Packet Channel Feedback

Country of registration:

ΝZ

Application no.:

1142

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

MX

Application no.:

997228

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

MX 982981

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

516014/97

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Packet Channel Feedback

Country of registration:

IN

Application no.:

288/DEL/98

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

EPO

Application no.:

98903323-8

Patent no.:

Countries applicable: **ETSI Deliverable:**

DE, FR, GB, IT

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

2045892

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.: Countries applicable: 102438

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration: Application no.:

ETSI Deliverable:

CA 2279521

Patent no.:

Countries applicable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Method of adapting a mobile radio communication system to traffic and performance requirements

Application no.: Patent no.:

8902845-0

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

CN

Application no.:

96198927.0

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Secure access method, and associated apparatus, for accessing a private data communication network ΑU

Country of registration:

Application no.:

Patent no.:

725656

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method for providing a unique temporary identification of a mobile station

Country of registration:

VF 0071

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: A Method for Paging Mobile Stations

Country of registration: CN Application no.: 961988363

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: Application no.:

Patent no.: Countries applicable: 723470

CA

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method for providing a unique temporary identification of a mobile station

Country of registration: Application no.:

2277270

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

2235000

Title: Country of registration: A Method for System Registration and Cell Reselection CA

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for improving performance of a packet communications system

Country of registration:

Application no.:

Patent no.:

RU 99113437

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: A Method for System Registration and Cell Reselection

Country of registration:

Application no.: PI9611122-4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Method for providing a unique temporary identification of a mobile station Title:

Country of registration: Application no.: Patent no.:

FPO 98100009-4

Countries applicable:

ETSI Deliverable:

Notes:

DE, FI, FR, GB, IT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GPRS

715222

A Method for System Registration and Cell Reselection ΑIJ

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

P-973951

Title: Method for providing a unique temporary identification of a mobile station

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method for providing a unique temporary identification of a mobile station MY

Country of registration:

Application no.:

Patent no.:

PI9706142

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GPRS**

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: NO Application no.: 970181

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GPRS

US-6317421

NI-112610

Method in a communication network

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Ericsson

5784362

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Title:

Method in a communication network

Country of registration:

Application no.:

SF

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Project:

9904655-9

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method for providing a unique temporary identification of a mobile station

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

98/0074

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson GPRS

P000106679

Method in a communication network Title:

Country of registration: AR

Application no.:

Patent no.:

Company name:

Countries applicable:

ETSI Deliverable:

Notes:

Project:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

3468/2000

Title: Country of registration: Method in a communication network CL

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

00976494-5

Title:

Method in a communication network **EPO**

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

Patent no.:

46092

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GPRS

Project: Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

Patent no.:

2161873

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GPRS

Country of registration:

Application no.:

NO 974762

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

707325/1997

KR

Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

Patent no.:

531663/96

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol FPO

Country of registration:

Application no.:

96911140-0

Patent no.:

Countries applicable:

ETSI Deliverable:

BE, DE, ES, FI, FR, GB, IT, NL, SE

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Project:

GPRS

Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

CN 96194797-7

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

CA 2217059

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A Method for Paging Mobile Stations

Country of registration:

CA

Application no.:

2235136

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson

Title:

Method for providing a unique temporary identification of a mobile station US

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

6208628

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A Method for Paging Mobile Stations

Country of registration:

Application no.:

DF 196816084

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: Project:

Ericsson GPRS

Title:

Centralized radio network control on a mobile communications system

Country of registration: Application no.:

HU P0000844

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

6911850

Project: Title:

Automatic retransmission request

Country of registration:

Application no.: Patent no.:

AU

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

Application no.:

Patent no.:

2152945

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title: CA

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GPRS

Automatic retransmission request

2296735

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Automatic retransmission request

Country of registration:

Application no.:

Patent no.:

2296777

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GPRS**

Title: Automatic retransmission request CN

Country of registration:

94191070-9 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Automatic retransmission request

Country of registration: FPO Application no.: Patent no.:

95901754-2

Countries applicable: ETSI Deliverable:

DE, FR, GB

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GPRS** Title:

Automatic retransmission request

Country of registration:

JP

Application no.:

513397/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

KR

Application no.:

702768/1995

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

MX 408464

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

Application no.:

Patent no.:

MY-111807-A

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

276573

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

NI-078115

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title: Country of registration: Automatic retransmission request ΝZ

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

329739

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

43755

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

SF

Application no.: Patent no.:

95901754-2

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

Application no.:

144708

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

5633874

Project: Title:

Automatic retransmission request

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A Method for System Registration and Cell Reselection

Country of registration: Application no.:

MX 983048

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

5577046

Project: Title:

Automatic retransmission request

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GPRS

Project:

Title: Automatic retransmission request

Country of registration:

Application no.:

Patent no.:

5694391

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Automatic retransmission request

Country of registration:

Application no.: Patent no.:

Countries applicable:

5701298

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

VΕ

Application no.: Patent no.:

167494

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Centralized radio network control on a mobile communications system

Country of registration:

ΑU 5684598

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Centralized radio network control on a mobile communications system

Country of registration:

BR

Application no.:

Patent no.:

PI9806777-0

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Centralized radio network control on a mobile communications system

Country of registration: CA Application no.: 2277438

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration: CN Application no.: 98803413-1

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title:

Centralized radio network control on a mobile communications system Country of registration: **EPO**

Application no.: 98901144-0 Patent no.:

Countries applicable:

DE, FR, GB, IT, NL

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Automatic retransmission request ΝZ

Country of registration:

Application no.: Patent no.:

329738

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Allocation of channels for packet data services

Country of registration: BR

Application no.:

Countries applicable:

PI9910067-3 Patent no.:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GPRS

Project:

Title: A Method for Paging Mobile Stations

Country of registration:

Application no.:

Patent no.:

2321371

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

HK1015600

Project: Title:

A Method for Paging Mobile Stations

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems **EPO**

Country of registration: Application no.:

Patent no.:

95903477-8

Countries applicable:

ETSI Deliverable:

DE, DK, FR, GB, GR, IT, NL, SE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Notes:

Ericsson GPRS

94191082-2

Title: Country of registration: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems CN

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Ericsson GPRS

> Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems CA 2153871

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GPRS

Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: Application no.:

Patent no.:

Countries applicable:

675898

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Allocation of channels for packet data services

Application no.:

US 09/397863

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Allocation of channels for packet data services

Country of registration:

Application no.:

Patent no.:

5978368

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Allocation of channels for packet data services

Country of registration:

MY

Application no.:

PI 9901660

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Allocation of channels for packet data services

Country of registration:

GB

Application no.: Patent no.:

0026383-0

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

217

Company name:

Ericsson GPRS

19983154-8

Project: Title: Allocation of channels for packet data services

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **GPRS**

Project: Title:

Allocation of channels for packet data services

Country of registration:

CN

Application no.: Patent no.:

99808197-3

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

Application no.:

Patent no.: Countries applicable: 5590133

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Allocation of channels for packet data services

Country of registration:

CA 2330845

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

SG

Application no.:

9608122-9

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson GPRS

Project: Title:

Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.:

Patent no.:

Countries applicable:

5806007

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Activity Control for a Mobile Station in a Wireless Communication System

Application no.:

MX 983044

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.:

415898

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A Method for System Registration and Cell Reselection

Country of registration:

Application no.:

19681607.6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Company name: Project:

GPRS

Title:

Method and apparatus for improving performance of a packet communications system CA

Country of registration: Application no.:

2272594

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Project:

GPRS

Title: Country of registration: Activity Control for a Mobile Station in a Wireless Communication System

Application no.:

516017/97

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

1015109

Project: Title:

GPRS Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

2321369

Project: Title:

A Method for System Registration and Cell Reselection

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

ES 95903477-8

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems FΪ

Country of registration:

953775

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GPRS

Project: Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

516134/95

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

KR

Application no.:

703333/95

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

Application no.: Patent no.:

189602

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Allocation of channels for packet data services

Country of registration:

CL 856-99

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Automatic retransmission request

Country of registration:

N7 500144

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

221

Company name:

Ericsson

Project:

GPRS

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration: Application no.:

CA 2257981

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

6091960

Project: Title:

A Method for Paging Mobile Stations

Country of registration:

Application no.: Patent no.:

US

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

Application no.: Patent no.:

CN 97197327-X

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address **EPO**

Country of registration: Application no.:

97927559-1

Patent no.:

Countries applicable:

ETSI Deliverable:

DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Method and apparatus for addressing a wireless communication station with a dynamically asigned

Country of registration: IN

address

Application no.: Patent no.:

1524/Del/97

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

222

Company name:

Ericsson

Project: Title:

GPRS Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration: Application no.:

JΡ

501513/98

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

Application no.:

MX 9810624

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Packet Channel Feedback

Country of registration:

CA 2234711

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Packet Channel Feedback

Country of registration:

RR

Application no.: Patent no.:

PI9807168-8

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title:

Packet Channel Feedback

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

PI96111082-1

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GPRS

19681600.9

Project:

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address BR

Country of registration: Application no.:

Patent no.:

PI9709572-9

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

5103445

Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Country of registration:

Application no.:

Packet Channel Feedback ΑIJ

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

713942

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.:

GB

Patent no.:

Countries applicable:

2320993

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GPRS

234719

Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.: Patent no.:

Countries applicable:

180449

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

105635

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.: 2987199

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

415898

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project: Title:

GPRS Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.:

415898

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Method of adapting a mobile radio communication system to traffic and performance requirements

Application no.:

Patent no.: Countries applicable: 415898

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

333221

Country of registration: Application no.:

ΝZ

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

Application no.:

Patent no.: Countries applicable:

5708655

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for improving performance of a packet communications system

Country of registration:

Application no.: Patent no.:

AU

Countries applicable: **ETSI Deliverable:**

Notes:

720471

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

9713436/8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

A Method for System Registration and Cell Reselection

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

5768267

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

98/0217

Project: Title:

Centralized radio network control on a mobile communications system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

534212/98

Title: Country of registration: Centralized radio network control on a mobile communications system

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

CA 2234979

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration:

Application no.: 10-1999-7006394

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GPRS**

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration: BR

Application no.: PI9611104-6

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Activity Control for a Mobile Station in a Wireless Communication System Title:

Country of registration: CN

Application no.: 96198841.X

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GPRS

47478

Title:

Centralized radio network control on a mobile communications system

Country of registration:

Application no.:

MX 996495

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

NI-116583

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

5930241

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GPRS

2283886

Country of registration:

Communicating packet data with a mobile station roaming within an incompatible mobile network CA

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

545566/98

Title: Country of registration: Communicating packet data with a mobile station roaming within an incompatible mobile network

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Country of registration: Application no.:

Patent no.:

MX 998111

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Communicating packet data with a mobile station roaming within an incompatible mobile network

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

229

Company name:

Ericsson

Project: Title:

GPRS

Country of registration:

Communicating packet data with a mobile station roaming within an incompatible mobile network

Application no.:

042806

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Improved routing area update procedure

Country of registration:

Application no.:

DF 19882862-4

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

6212379

Project: Title:

Improved routing area update procedure

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GPRS**

Title: Improved routing area update procedure

Country of registration:

Application no.:

Patent no.:

PI9813491-4

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

AU

Application no.: Patent no.:

3199797

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GPRS**

Title: Improved routing area update procedure

Country of registration: CA Application no.: 2313117

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration:

Application no.:

IN 46/DEL/98

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Title:

Country of registration: Application no.: 2956-98

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GPRS

Improved routing area update procedure CL

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GPRS

Title:

Improved routing area update procedure CN

Country of registration:

Application no.:

98811938-2

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Improved routing area update procedure TW

Country of registration: Application no.:

Patent no.:

87118940

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project: Title:

GPRS Link quality reporting using frame erasure rates

Country of registration: Application no.:

ETSI Deliverable:

US 08/859939

Patent no.:

Countries applicable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

6137791

Project: Title:

Communicating packet data with a mobile station roaming within an incompatible mobile network

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GPRS

Project: Title:

Improved routing area update procedure

Country of registration:

NO 97/5783

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

KPN **GPRS**

Title:

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration:

Application no.: Patent no.:

FΙ 904869 98596

Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS 23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

KPN

Project: Title:

GPRS

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: Application no.: Patent no.:

CA 2026596 2026596

Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS 23.060 V5.3.0; ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Project:

KPN

Title:

Notes:

GPRS

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration:

Application no.: Patent no.:

US 07/900,521 5,291,544

Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS 23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

KPN Project:

GPRS Title:

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: Application no.:

FPO 90202591.5 0421535

Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IT, LU, NL, SE

ETSI Deliverable: 3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Patent no.:

KPN **GPRS**

JP

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration:

Application no.: Patent no.:

263977/1990 2535251

Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

KPN **GPRS**

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: Application no.:

NO 904173 176.859

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS 23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Method for Dynamically Allocating Wireless Communication Resources

Country of registration:

Application no.:

Patent no.:

GB2324686

Countries applicable: ETSI Deliverable:

GB

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Motorola Project: GPRS

Title: Method and Apparatus for Communication System Access

Country of registration:

Application no.: Patent no.:

EP0804834

EPO

Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Project:**

Motorola GPRS

Title:

Cellular Voice and Data Radiotelephone System

Country of registration:

Application no.:
Patent no.:

FP0188554

Countries applicable:

cable: AT

ETSI Deliverable: Notes: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Note: The above patent No. EP0188554 was initially declared by Motorola as No. EP0188534. ETSI amended the record

on 6 May 2003.

Company name: **Project:**

Motorola GPRS

EPO

Title:

Notes:

Method for Communicating Data in a Wireless Communication System

Country of registration:

Application no.:

FP0847652

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GPRS

Project: Title:

Handoff in a cellular communication system

Country of registration:

Application no.: Patent no.:

EP00746172

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GPRS

Project: Title:

Method for Dynamically Allocating Wireless Communication Resources

Country of registration:

Application no.:

GB

Patent no.:

GB2298999

Countries applicable:

ETSI Deliverable: Notes:

GB

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

1 Olloy, III 100

Company name: Project:

Motorola GPRS

Title:

Cellular Voice and Data Radiotelephone System

Country of registration:

NO

Application no.: Patent no.:

N169810

Countries applicable: ETSI Deliverable:

NO

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title: Country of registration: Method for Communicating Data in a Wireless Communication System **EPO**

Application no.: Patent no.:

EP0847657

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Cellular Voice and Data Radiotelephone System

Country of registration:

Application no.:

Patent no.: Countries applicable: FI79768 FΙ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Cellular voice and data radiotelephone system

Country of registration:

Application no.:

Patent no.:

59947

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GPRS

Country of registration:

Cellular voice and data radiotelephone system CN

Application no.: Patent no.:

10981

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Cellular voice and data radiotelephone system

Country of registration:

Application no.:

Patent no.:

1230648

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Cellular voice and data radiotelephone system

Country of registration:

ΑU

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

577742

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GPRS General purpose data control system

Country of registration:

Application no.:

MX

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

153264

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

4,591,851

Project: Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

47.215

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

4,654,867

Project: Title:

Cellular voice and data radiotelephone system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

Title: Country of registration: General purpose data control system

Application no.:

ΑU

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

559854

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration:

Application no.:

Patent no.: Countries applicable: Pending 98808761.8

ETSI Deliverable:

DE, FI, FR, GB, IT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GPRS Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.:

Patent no.:

4,837,858

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration:

Application no.:

Pending 2302495

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Pending 98808761.8

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GPRS Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Pending 2000-509230

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

726551

ΑU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Project:

Motorola **GPRS**

Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system US

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

6,359,898

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

MY103541A

Project:

GPRS

Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

1214219

Project: Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

129 884

Title:

General purpose data control system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

General purpose data control system

Country of registration:

IL

68988

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola Project: **GPRS**

Title: Country of registration: General purpose data control system

Application no.:

Patent no.:

1168620

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

General purpose data control system

Country of registration:

JP

Application no.:

Patent no.:

Countries applicable:

1805415

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title:

General purpose data control system

Country of registration: Application no.:

Patent no.:

Countries applicable:

27845

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Method for performing a countdown function during a mobile-originated transfer for a packet radio system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Data signalling system

Pending 20001056

Country of registration:

US

Application no.: Patent no.:

4,590,473

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

DK

170082

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

Application no.:

68976

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Data signalling system

Country of registration: Application no.:

Patent no.:

1168619

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title:

Data signalling system

Country of registration:

Application no.:

KR

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

28478

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Packet-switched cellular telephone system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

1309480

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

104029

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

169415

Project: Title:

Data signalling system

Country of registration: Application no.:

NO

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

Title:

Packet-switched cellular telephone system

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

100078

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

EP0358659

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

Application no.: Patent no.:

4,636,791

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.:

PI8801404-5

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.:

Patent no.:

1275746

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

IL

85280

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

Title:

Subscriber unit for a trunked voice/data communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

2583448

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

153263

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title:

Method for communicating data in a wireless communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Pending 96196613.0

Country of registration:

Application no.:

567436

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Data signalling system

Country of registration:

Application no.:

Patent no.:

AR 233421

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

5,745,695

Project: Title:

Radio system with suspension of packet data service during non- data service connection

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

5,583,869

Title:

Method for dynamically allocating wireless communication resources

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Notes:

Method for dynamically allocating wireless communication resources

Country of registration:

Application no.:

Patent no.:

ZL95190957.6

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title:

Method for communicating data in a wireless communication system

Country of registration:

Application no.:

Patent no.:

5,752,193

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

Application no.:

1217234

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Method for communicating data in a wireless communication system

Country of registration:

Application no.:

5,742,592

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Packet-switched cellular telephone system

Country of registration:

FPO

Application no.:

Patent no.:

Countries applicable:

B1-0-332-818 AT, BE, CH, ES, FR, GB, GR, IT, NL, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Notes:

Method and apparatus for communication system access

Country of registration:

Application no.:

Patent no.:

5,729,542

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Method and apparatus for communication system access

Country of registration:

Application no.:

Patent no.:

Pending 96192410.1

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GPRS

Title:

Packet-switched cellular telephone system

Country of registration: Application no.:

Patent no.: Countries applicable: 4,887,265

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

2079947

Title:

Packet-switched cellular telephone system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GPRS**

Title:

Packet-switched cellular telephone system

Country of registration:

Application no.:

Patent no.:

P68927575.7

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

MY-100860-A

Project: Title:

Data signalling system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GPRS**

Title: Country of registration: Method for communicating data in a wireless communication system

Application no.:

Patent no.:

Countries applicable:

Pending 96196584.3

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GPRS**

Project: Title:

Data signalling system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

2141020

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Method and mobile communication system for routeing of call connections

Country of registration: DF

Application no.: EP 0 878 109 Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for jam-resistant communication transmission

Country of registration:

Application no.: Patent no.:

US 4 843 612

Countries applicable:

US

ETSI Deliverable:

GSM 06.31 V8.0.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title:

Device for point-to-point wire-free transmission of speech

Country of registration:

Application no.:

Patent no.:

DE 32 25 443 DE

Countries applicable: **ETSI Deliverable:**

GSM 05.05 V8.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project:

Method of transmitting data packets according to a packet data service in a cellular mobile radio network Title:

provided for voice and data-transmission

Country of registration:

Application no.:

Patent no.:

DE 195 24 659

Countries applicable:

DE GSM 08.18 V8.3.0

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Method and arrangement for transmitting information in a digital radio system Title:

Country of registration: Application no.:

DE

Patent no.: US 5 648 967

Countries applicable: US

GSM 03.64, V6.0.1

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Title: Method and arrangement for transmitting information in a digital radio system

Country of registration:

Application no.:

Patent no.: EP 0 671 824 Countries applicable: EPO, FI ETSI Deliverable: GSM 03.64, V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GPRS

DE

Project: Title:

Method of transmitting data packets according to a packet data service in a cellular mobile radio network

provided for voice and data-transmission

Country of registration:

Application no.: Patent no.:

WO97/02712

Countries applicable: CN, EPO, US

ETSI Deliverable: GSM 08.18 V8.3.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: **GPRS**

Title:

Process for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system

Country of registration:

Application no.:

DE

WO97/10685

Patent no.: Countries applicable:

EPO, US

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

SIEMENS GPRS

Title:

Process for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system

Country of registration:

Application no.:

TW / 85111034

Patent no.:

Countries applicable:

TW

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GPRS

DF

Title:

Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

WO98/23106

Patent no.:

BR, SG, UA, US

Countries applicable: ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

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Company name: **SIEMENS** Project: **GPRS**

Title: Telecommunications network as well as subscriber stations and central station for a Telecommunications

> network DE

Country of registration:

Application no.:

DE 36 38 735

Patent no.: Countries applicable:

DE

ETSI Deliverable:

GSM 03.03 V7.5.0 GSM 02.16 V7.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

SIEMENS GPRS

Method and mobile communication system for routeing of call connections DE

Country of registration:

Application no.: Patent no.:

DE 19635581

Countries applicable:

DE

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: **GPRS**

Title:

Method and mobile communication system for routeing of call connections

Country of registration: Application no.:

WO98/23117

Patent no.:

Countries applicable: **ETSI Deliverable:**

US

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS

Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.:

Patent no.:

JP 2977154 JΡ

Countries applicable:

ETSI Deliverable: Notes:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GPRS

Project: Title:

Method for jam-resistant communication transmission

Country of registration:

Application no.:

CA 1238951

Patent no.: Countries applicable:

CA

ETSI Deliverable:

GSM 06.31 V8.0.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

SIEMENS Company name: Project: **GPRS**

Title: Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.: Patent no.:

DE 19509000

Countries applicable:

DE

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

Title:

Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.:

CN / 1137714

Patent no.:

Countries applicable:

CN

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GPRS**

DF

KR

Project: Title:

Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: Patent no.:

KR / 7010361/00

Countries applicable:

ETSI Deliverable:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS

Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network DE

Country of registration:

Application no.:

FI / 961174

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

SIEMENS GPRS

Project: Title:

Method for the transmission of subscriber data between network nodes in at least one communications

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

network supporting the structure of an intelligent network

Country of registration:

EP 0 732 861

Application no.: Patent no.:

Countries applicable:

FPO

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method for the use of services by network subscribers

Country of registration:

Application no.:

Patent no.: EP 0 715 473

Countries applicable: **EPO**

ETSI Deliverable: GSM 03.78 V6.1.1

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Method for the use of services by network subscribers Title:

Country of registration: Application no.:

DF FI / 955737

Patent no.: Countries applicable:

FΙ

ETSI Deliverable: GSM 03.78 V6.1.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for setting up a connection between a plurality of cellular networks

Country of registration:

Application no.:

Patent no.: EP 0 675 663

Countries applicable: **EPO**

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 02.79 V6.0.0 TS 22.079 V3.0.1

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GPRS**

Method and system for determining the location of a mobile radio communication subscriber registered in Title:

a cellular mobile radiotelephone network

Country of registration: DF

IN / 1533/CAL/97 Application no.:

Patent no.:

Countries applicable: IN

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: JP / 12-537394

Patent no.:

JΡ

Countries applicable:

ETSI Deliverable: GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.:

US 5 839 076

Patent no.: Countries applicable:

US

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

Title:

Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.:

CN / 1180285

Patent no.: Countries applicable:

CN

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GPRS

DF

Title:

Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.:

EP 0 827 355

Patent no.:

Countries applicable:

FPO

ETSI Deliverable: Notes:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS Process and device for data transmission in a cellular radio system

Country of registration:

Application no.: Patent no.:

WO97/25827

Countries applicable:

US

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS

Project:

GPRS

Title:

Process and device for data transmission in a cellular radio system

Country of registration:

DE EP 0 872 148

Application no.: Patent no.:

Company name:

Countries applicable: **ETSI Deliverable:**

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Process and device for data transmission in a cellular radio system

Country of registration:

Application no.: CN / 1207231

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Process and device for data transmission in a cellular radio system

Country of registration: DF

Application no.: RU / 98114847

Patent no.:

Countries applicable: RU

ETSI Deliverable: GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Process and device for data transmission in a cellular radio system Title:

Country of registration:

Application no.:

Patent no.: DE 196 00 197

Countries applicable: DE

ETSI Deliverable: GSM 03.64 V6.0.1

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.: EP 0 793 394

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

Application no.: CN / 1160330

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.: IN / 266/CAL/97

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration: Application no.:

Patent no.: DE 196 08 464 DE

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: **GPRS**

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration:

Application no.:

Patent no.:

DE 19812215

Countries applicable:

ETSI Deliverable:

DE GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS Project: **GPRS**

Method for administering additional services in a mobile communication network Title:

Country of registration:

Application no.: Patent no.:

ZA / 97/1770

Countries applicable:

ZA

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

SIEMENS

Project:

GPRS

Title:

Method, mobile station and radio communication system for controlling safety related functions in communication handling

Country of registration:

Application no.: Patent no.:

WO99/48318

Countries applicable:

ETSI Deliverable:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: **GPRS**

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.: KR / 24254/98

Patent no.: Countries applicable:

KR

ETSI Deliverable:

Notes:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.:

DE 19635581

Patent no.: Countries applicable:

DE

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project:

GPRS

Title:

Method and system for determining the location of a mobile radio communication subscriber registered in a cellular mobile radiotelephone network

Country of registration:

Application no.:

DE

Patent no.: US 6 035 198

Countries applicable:

US

ETSI Deliverable: Notes:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: **GPRS** Project:

GPRS continuous timing advance update Title:

Country of registration: Application no.:

Patent no.:

WO98/23105

Countries applicable:

US

ETSI Deliverable:

GSM 03.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration: DE

Application no.: EP 0 938 821

Patent no.: Countries applicable:

ETSI Deliverable:

GSM 03.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration: DE

Application no.: CN / 1238108

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 03.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

GPRS continuous timing advance update Title:

Country of registration: DF

Application no.: IN / 2158/CAL/97

Patent no.:

Countries applicable: IN

ETSI Deliverable: GSM 03.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

GPRS continuous timing advance update Title:

DF

Country of registration:

Application no.: AR / P970105383

Patent no.:

Countries applicable: AR

ETSI Deliverable: GSM 03.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GPRS**

GPRS continuous timing advance update Title:

Country of registration:

Application no.: AU / 73051/98

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

GPRS continuous timing advance update Title:

Country of registration:

Application no.:

Patent no.: TW / 104001 Countries applicable: TW **ETSI Deliverable:** GSM 03.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration:

Application no.:

Patent no.: ZA / 97/10371 Countries applicable: ZA ETSI Deliverable: GSM 03.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.:

Patent no.: US 6 085 105

ETSI Deliverable:

Countries applicable: US

Notes:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS GPRS

Title:

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

Patent no.:

EP 0 938 820 **EPO**

Countries applicable:

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

CN / 1238107

Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

Patent no.: Countries applicable:

CN

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS GPRS

Title:

Process for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system ĎΕ

Country of registration:

Application no.: IN / 1555/CAL/96

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: **GPRS**

Title: Process for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system

Country of registration:

Application no.:

DE 195 34 15

Patent no.: Countries applicable:

DE

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

Title:

Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration:

Application no.:

EP 0 771 125

Patent no.:

Countries applicable: **EPO**

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS

Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone network and a mobile subscriber station

DF

Country of registration:

Application no.: Patent no.:

US 5 943 327

Countries applicable: US

ETSI Deliverable:

GSM 03.64 V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS

Country of registration:

Method and radio station for the transmission of data by way of a GSM mobile radio network

Application no.:

WO97/24891

Patent no.:

Countries applicable:

EPO

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GPRS

Title: Country of registration: Method and radio station for the transmission of data by way of a GSM mobile radio network

DE CN / 1212107

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GPRS**

Title: Method and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration:

Application no.:

Patent no.: DE 195 49 009

Countries applicable: DE

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project: Title:

GPRS Method and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration:

Application no.:

Patent no.: US 6 138 028 US

Countries applicable:

ETSI Deliverable: Notes:

GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GPRS

Project:

Process and base station system for configuring an air interface between a mobile station and a base Title: station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

Patent no.:

IN / 2160/CAL/97

Countries applicable:

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

SIEMENS **GPRS**

Title:

Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

DE 19647629

Patent no.:

Countries applicable:

DE

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

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under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GPRS

Project: Title:

Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: EP 1 064 810

Patent no.:

DE

Countries applicable: **ETSI Deliverable:**

Notes:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

SIEMENS

Project:

GPRS

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.: Patent no.:

WO98/23104

Countries applicable:

US

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GPRS**

Project: Title:

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

EP 0 938 822

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

EPO

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GPRS

DE

Title:

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

IN / 2159/CAL/97

Patent no.:

Countries applicable:

ETSI Deliverable:

IN GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GPRS

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

DE CN / 1238104

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

SIEMENS Company name: Project: **GPRS**

Title:

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

Patent no.: Countries applicable: ZA / 97/10374

ETSI Deliverable:

7A

Notes:

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: **GPRS**

Title: Quality of Service dependent paging in GPRS

Country of registration:

Application no.: EP 0 974 236 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 05.02, V7.3.0 GSM 04.60, V7.2.0 GSM 03.64, V7.1.0 GSM 08.18, V7.2.0 GSM 04.08, V7.4.0 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Quality of Service dependent paging in GPRS Title:

Country of registration: DF

Application no.: WO98/38818

Patent no.:

Countries applicable: US

ETSI Deliverable:

 $\mathsf{GSM}\ 05.02,\ \mathsf{V7.3.0}\ \mathsf{GSM}\ 04.60,\ \mathsf{V7.2.0}\ \mathsf{GSM}\ 03.64,\ \mathsf{V7.1.0}\ \mathsf{GSM}\ 08.18,\ \mathsf{V7.2.0}\ \mathsf{GSM}\ 04.08,\ \mathsf{V7.4.0}$ Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Quality of Service dependent paging in GPRS Title:

DE 19707261

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

DE GSM 05.02, V7.3.0 GSM 04.60, V7.2.0 GSM 03.64, V7.1.0 GSM 08.18, V7.2.0 GSM 04.08, V7.4.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project:

Title: Quality of Service dependent paging in GPRS

Country of registration:

Application no.:

Patent no.: ZA / 98/1425

Countries applicable:

ETSI Deliverable:

Notes:

GSM 05.02, V7.3.0 GSM 04.60, V7.2.0 GSM 03.64, V7.1.0 GSM 08.18, V7.2.0 GSM 04.08, V7.4.0 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method and mobile communication system for supporting portability of a mobile subscriber telephone

number

Country of registration: Application no.:

DE

Patent no.:

DE 197 09 713

Countries applicable: DF

ETSI Deliverable:

GSM 03.66 V7.3.1 GSM 02.66 V7.1.0 TS 22.066 V3.0.1 TS 23.066 V3.1.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GPRS**

Title: Interception in wireless networks

Country of registration: DE

Application no.: EP 1 016 304

Patent no.:

Countries applicable: ETSI Deliverable:

GSM 03.33 V7.1.0

Notes:

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SIEMENS Company name: Project: **GPRS**

Title: Interception in wireless networks DF

Country of registration:

Application no.: CN / 1271501

Patent no.:

Countries applicable: CN

ETSI Deliverable:

GSM 03.33 V7.1.0

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Title: Interception in wireless networks

Country of registration:

Application no.:

Patent no.:

DE 197 41 216 DE

Countries applicable: **ETSI Deliverable:**

GSM 03.33 V7.1.0

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GPRS**

Process and base station system for configuring an air interface between a mobile station and a base Title:

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

ZA / 97/1037

Patent no.:

Countries applicable: ZA

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

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GSM

Company name: Alcatel Project: **GSM**

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network SG

Country of registration:

Application no.: Patent no.:

SP 9605241-0

Countries applicable:

SG

ETSI Deliverable:

GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project: **GSM**

Title:

Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

Application no.: Patent no.:

SerNo 496749

Countries applicable: **ETSI Deliverable:**

US GSM 08.61

Notes:

Alcatel Company name: Project: **GSM**

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: Application no.:

Patent no.:

513693/96

Countries applicable:

ETSI Deliverable: GSM 03.41 and 04.12

Notes:

Company name: Alcatel Project: **GSM**

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration:

Application no.:

AU 9538092

Patent no.: Countries applicable: ΑU

ETSI Deliverable: GSM 03.41 and 04.12

Notes:

Alcatel Company name: Project: **GSM**

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration:

Application no.:

Patent no.: CA 2179662 CA

Countries applicable:

ETSI Deliverable: GSM 03.41 and 04.12

Notes:

Company name:

Alcatel

CA

Project: Title:

GSM Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: US

Application no.:

SerNo 666428

Patent no.: Countries applicable:

US

ETSI Deliverable:

GSM 03.41 and 04.12

Notes:

Company name: **Alcatel** Project: **GSM**

Title:

Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: PCT

Application no.:

Patent no.:

WO 96131134

Countries applicable:

AT, BE, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

Notes:

GSM 03.41 and 04.12

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration:

Application no.:

Patent no.: FR 2726147

Countries applicable: FR

GSM 03.41 and 04.12 **ETSI Deliverable:**

Notes:

Alcatel Company name: Project: **GSM**

Energy saving method in a terminal of a mobile radiocommunication network Title: FΙ

Country of registration:

Application no.:

Patent no.: FI 9602541

Countries applicable: ETSI Deliverable:

Notes:

GSM 03.41 and 04.12

Company name: Alcatel Project: **GSM**

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

271/DEL/95 Application no.:

Patent no.:

Countries applicable: IN

GSM 08.61 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project:

Frame at the TRAU-BTS interface in a cellular radiocommunication network Title:

Country of registration: CN Application no.: 95-115005

Patent no.:

Countries applicable: CN **ETSI Deliverable:** GSM 08.61

Notes:

Company name: **Alcatel** Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: US

Application no.: SerNo 495615

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: **Alcatel** Project:

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

Application no.:

AU 9523340 Patent no.: Countries applicable: ΑU **ETSI Deliverable:** GSM 08.61

Notes:

Company name: Alcatel Project: **GSM**

Title: A transmission burst organized for discontinuous transmission

Country of registration:

Application no.:

Patent no.: FR 2729806 Countries applicable: FR **ETSI Deliverable:** GSM 05.03

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

Application no.:

Patent no.: FR 2722353 Countries applicable: FR GSM 08.61 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project:

Frame at the TRAU-BTS interface in a cellular radiocommunication network Title:

Country of registration:

Application no.: Patent no.: FI 9503345 Countries applicable: FΙ

ETSI Deliverable:

GSM 08.61

Notes:

Company name: **Alcatel** Project:

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: **EPO**

Application no.:

Patent no.: EP 692919

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 08.61

Notes:

Company name: **Alcatel** Project: **GSM**

Title: Data frame transmission system for transmitter and receiver

Country of registration: US

Application no.: SerNo 301587

Patent no.:

Countries applicable: LIS **ETSI Deliverable:** GSM 08.61

Notes:

Company name: **Alcatel** Project:

Title: Data frame transmission system for transmitter and receiver FR

Country of registration:

Application no.:

Patent no.: FR 2709901 Countries applicable: FR **ETSI Deliverable:** GSM 08.61

Notes:

Company name: **Alcatel** Project:

Title: Data frame transmission system for transmitter and receiver

Country of registration:

Application no.:

FI 9404071 Patent no.: Countries applicable: FΙ **ETSI Deliverable:** GSM 08.61

Notes:

Company name: Alcatel Project: **GSM**

Title: Data frame transmission system for transmitter and receiver

Country of registration: **EPO**

Application no.:

Patent no.: EP 642242

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 08.61

Title: TRAU/BTS Error Procedure

Country of registration: CN
Application no.: 94-191289
Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: Alcatel Project: GSM

Title: TRAN/BTS Error Procedure

Country of registration: Application no.: Patent no.:

518716/94

Countries applicable:

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

ΑU

Country of registration: Application no.:

Patent no.: AU 9461115

Countries applicable: US

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

Application no.:

NZ

Patent no.: NZ 272491
Countries applicable: NZ
ETSI Deliverable: GSM 08.61

Notes:

Company name: Alcatel Project: GSM

Title: Communication transfer in cellular radio telephone network

Country of registration:

Application no.:

Patent no.: US 5289525 Countries applicable: US

ETSI Deliverable: GSM 03.09

Notes:

Company name: Alcatel Project: GSM

Title: Mobile Radio Network Adaptation Center

Country of registration:

Application no.: EP 96 440 095
Patent no.: EP 773 693
Countries applicable: DE, ES, FR, GB, IT
ETSI Deliverable: GSM 03.54, V5.0.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the GSM Standard

has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the GSM Standard (the STANDARD). The SIGNATORY and/or AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Claude 6.1 of the ETSI Interim IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain

ESSENTIAL. The construction validity and performance of this DECLARATION shall be governed by the

laws of France.

Title: Mobile Radio Network Adaptation Center

Country of registration:

Application no.: 2 189 791

Patent no.: Countries applicable:

ETSI Deliverable:

GSM 03.54, V5.0.0

Notes:

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France. **Alcatel**

Company name: Project:

GSM Mobile Radio Network Adaptation Center

Title: Country of registration:

Application no.: 743634

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

GSM 03.54, V5.0.0

Notes:

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France.

Company name: Alcatel Project: **GSM**

Title: Mobile Radio System with a Repeater ΝZ

Country of registration:

Application no.:

Patent no.: NZ 264804 Countries applicable: NZ **ETSI Deliverable:**

Notes:

GSM 05.05

Company name: Alcatel Project:

Mobile Radio System with a Repeater Title: ΑU

Country of registration:

Application no.: Patent no.:

AU 77486

Countries applicable:

ΑU

ETSI Deliverable:

GSM 05.05

Notes:

Alcatel

US

Company name: Project:

GSM Mobile Radio System with a Repeater

Country of registration:

Application no.: SerNo 331341

Patent no.:

Countries applicable:

GSM 05.05

ETSI Deliverable:

Notes: Company name: Project:

Title:

Alcatel

Title:

Mobile Radio System with a Repeater

Country of registration:

EPO

Application no.: Patent no.: Countries applicable:

EP 651524 DE, FR, GB, IT, SE GSM 05.05

ETSI Deliverable: Notes:

Title: Mobile Radio System with a Repeater

Country of registration:

Application no.:

Patent no.: FI 945088 Countries applicable: GSM 05.05 **ETSI Deliverable:**

Notes:

Alcatel Company name: Project:

Communication transfer in cellular radio telephone network Title: JΡ

Country of registration: Application no.:

Patent no.: JP 60 86358 Countries applicable: JΡ GSM 03.09 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project:

Title: Communication transfer in cellular radio telephone network

Country of registration:

Application no.: Patent no.: NZ 236814 Countries applicable: ΝZ **ETSI Deliverable:** GSM 03.09

Notes:

Company name: **Alcatel** Project: GSM

Title: A transmission burst organized for discontinuous transmission **EPO**

Country of registration:

Application no.: Patent no.:

EP 724342

NZ

AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, NO, SE Countries applicable:

ETSI Deliverable: GSM 05.03

Notes:

Company name: **Alcatel** Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration:

Application no.:

CA 2034411 Patent no.: Countries applicable:

ETSI Deliverable: GSM 03.09

Notes:

Company name: **Alcatel** Project: **GSM**

Title: A transmission burst organized for discontinuous transmission

Country of registration:

Application no.:

Patent no.: FI 9600300 Countries applicable: FΙ **ETSI Deliverable:** GSM 05.03

Notes:

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: **EPO**

Application no.:

Patent no.: EP 438099

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.09

Title: Communication system for cellular radio telephone network

Country of registration: FR
Application no.: 90-12005
Patent no.: FR 2667476

Countries applicable: FR

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: KR Application no.: 11673/1991 Patent no.:

Countries applicable: KR

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: TW

Application no.:
Patent no.: 57316
Countries applicable: TW

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration:

Application no.:

Patent no.: JP 4255133

Countries applicable: JP

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

JP

Notes:

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration:

Application no.:

Patent no.: CA 2046579

Countries applicable: CA

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration:

Application no.:

Patent no.: US 5533114

Countries applicable: US

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: Alcatel Project: GSM

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network N7

Country of registration:

Application no.:
Patent no.:
Countries applicable:
NZ 248564

ETSI Deliverable: GSM 04.08 and 05.10

Title: A transmission burst organized for discontinuous transmission

Country of registration:

Application no.:

Patent no.: NZ 280835 Countries applicable: ΝZ GSM 05.03 **ETSI Deliverable:**

Notes:

Alcatel Company name: Project: **GSM**

A transmission burst organized for discontinuous transmission Title:

Country of registration: ΑU

Application no.: Patent no.: AU 9640950 Countries applicable: ΑU GSM 05.03 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project:

Title: Communication transfer in cellular radio telephone network

Country of registration:

Application no.: Patent no.: AU 639516 Countries applicable: ΑU GSM 03.09 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project: GSM

Title: Communication system for cellular radio telephone network **EPO**

Country of registration:

Application no.: Patent no.:

EP 466078

ΑU

AT, BE, CH, DE, ES, FR, GB, IT, NL, SE Countries applicable: **ETSI Deliverable:** GSM 01.78, 02.78, 03.78 and 09.78

Notes:

Company name: **Alcatel** Project: **GSM**

Title: Mobile Radio Network

Country of registration: DE Application no.: P 36 38 735 DE 3638735 Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM 02.16, 03.03 and 04.08 Notes: jointly owned with Siemens.

Company name: **Alcatel** Project: GSM

Title: Computer-controlled radiotelephone EPO

Country of registration: Application no.:

EP 297616 Patent no.:

Countries applicable: AT, BE, DE, ES, FR, GB, GR, IT, NL, SE

ETSI Deliverable: GSM 03.26

Notes:

Company name: Alcatel Project: **GSM**

Title: Software downloading for a telecommunications terminal

Country of registration:

ΑU Application no.:

Patent no.: AU 643526 Countries applicable: ΑU **ETSI Deliverable:** GSM 11.14

Title: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

> network **EPO**

Country of registration:

Application no.: Patent no.:

EP 589753

Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, NL, PT, SE

ETSI Deliverable:

Notes:

GSM 04.08 and 05.10

Company name: **Alcatel** Project: **GSM**

Title: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network FΙ

Country of registration:

Application no.: Patent no.:

FI 9304006

Countries applicable:

FΙ **ETSI Deliverable:** GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project: GSM

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network

Country of registration:

Application no.:

FR

Patent no.: FR 2695776

Countries applicable: FR

GSM 04.08 and 05.10 **ETSI Deliverable:**

Notes:

Company name: **Alcatel** Project: **GSM**

TRAU/BTS Error Procedure Title:

NO

Country of registration:

Application no.:

NO 9503356 Patent no.: Countries applicable:

NO

ETSI Deliverable:

GSM 08.60 and 08.61

Notes:

Company name: **Alcatel** Project: **GSM**

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

> network NO

Country of registration:

Application no.:

Patent no.: NO 9303254

Countries applicable: NO

ETSI Deliverable: GSM 04.08 and 05.10

Notes:

Company name: Alcatel Project: **GSM**

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network CN

Country of registration: Application no.:

CN 93-119206

Patent no.:

CN

Countries applicable: **ETSI Deliverable:**

GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project: GSM

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network

Country of registration: IN

Application no.: 1052/DEL/93

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 04.08 and 05.10

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: Application no.: 525067/94 Patent no.:

Countries applicable:

GSM 04.08 and 05.10 **ETSI Deliverable:**

Notes:

Alcatel Company name: Project: **GSM**

TRAU/BTS Error Procedure Title:

Country of registration: FΙ

Application no.: Patent no.: FI 9503969 Countries applicable:

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: **Alcatel** Project:

Title: TRAU/BTS Error Procedure

FR

Country of registration: Application no.:

Patent no.: FR 2702111 Countries applicable: FR

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: **Alcatel** Project:

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: CN Application no.: 94-192099

Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project:

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system **EPO**

Country of registration:

Application no.:

EP 698318 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE Countries applicable:

ETSI Deliverable:

GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project:

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: CA Application no.: 2162707 Patent no.:

Countries applicable: **ETSI Deliverable:** GSM 04.08 and 05.10

Notes:

Company name: Alcatel **GSM**

Project: Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration:

US

Patent no.:

Application no.: SerNo 545869

Countries applicable: US

ETSI Deliverable:

Notes:

GSM 04.08 and 05.10

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration:

Application no.:

Patent no.: AU 9467885

Countries applicable: ΑU

ETSI Deliverable: GSM 04.08 and 05.10

ΑU

Notes:

Alcatel Company name: Project:

Hand-over technique for transferring calls between adjacent cells of cellular phone system Title:

Country of registration: Application no.:

Patent no.: FR 2705514

Countries applicable: FR

ETSI Deliverable: GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project:

Hand-over technique for transferring calls between adjacent cells of cellular phone system Title:

Country of registration: Application no.:

Patent no.: FI 9505437 Countries applicable: FΙ

ETSI Deliverable: GSM 04.08 and 05.10

Notes:

Company name: **Alcatel** Project: **GSM**

TRAU/BTS Error Procedure Title:

FI

Country of registration:

Application no.:

EP 686325

EPO

Patent no.: AT, BE, CH, DE, DK, ES, GB, IT, NL, SE Countries applicable:

ETSI Deliverable: GSM 08.60 and 08.61

Notes:

Company name: **Alcatel** Project:

Title: Method for Adapting a Transmission Mode in a Mobile Radiocommunication System

Country of registration:

Application no.:

Patent no.: 2 718 906

Countries applicable:

ETSI Deliverable:

ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2. Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Alcatel** Project:

Title: Method for Adapting a Transmission Mode in a Mobile Radiocommunication System

> JP 512 672/97

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2.

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project:

Title: Method for Adapting a Transmission Mode in a Mobile Radiocommunication System

Country of registration: Application no.:

Patent no.:

6 134 220 Countries applicable:

ETSI Deliverable:

ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2.

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name: Alcatel Project: GSM

Title: Air-Interface Adaptation

Country of registration: EPO 969 682 Application no.:

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE ETSI Deliverable: ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel

Project: **GSM** Title:

Air-Interface Adaptation

Country of registration:

Application no.: Patent no.:

734 463

Countries applicable:

ETSI Deliverable:

ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2. Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Alcatel** Project: **GSM**

Method for Adapting a Transmission Mode in a Mobile Radiocommunication System Title:

Country of registration: CA Application no.: 2 187 669

Patent no.:

Countries applicable:

ETSI Deliverable: ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **GSM**

Title: Method for Adapting a Transmission Mode in a Mobile Radiocommunication System

Country of registration: Application no.: Patent no.:

713 891

Countries applicable:

ETSI Deliverable: ETSI EN 301 709 V7.0.2: GSM 05.09 V7.0.2.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **GSM**

Title: Method for Adapting a Transmission Mode in a Mobile Radiocommunication System

Country of registration: **EPO** Application no.: 755 615 Patent no.: 755 615

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: ETSI EN 301 709 V7.0.2: GSM 05.09 V7.0.2.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **GSM**

Air-Interface Adaptation Title:

Country of registration:

US Application no.:

Patent no.:

6 456 598

Countries applicable: **ETSI Deliverable:**

ETSI EN 301 709 V7.0.2; GSM 05.09 V7.0.2.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

272

Company name: AT&T Project: **GSM**

Title: Digital Speech Coder

Country of registration:

Application no.:

Patent no.: Countries applicable: 4 674 298-6

ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T

Project: **GSM** Title: Paging Arrangements in a Cellular Mobile Switching System

Country of registration: Application no.:

5 278 890

US

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangement

Country of registration:

Application no.: Patent no.:

0 175 752 FR

Countries applicable: **ETSI Deliverable:**

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T Project: **GSM**

Multipulse LPC Speech Processing Arrangement Title: US

Country of registration: Application no.:

Patent no.: 4 701 954 Countries applicable:

ETSI Deliverable:

US

Notes:

Company name:

AT&T

Project: Title:

GSM Signalling Arrangements in a Cellular Mobile Telecomms Switching System

Country of registration:

Application no.: Patent no.:

5 396 543 US

Countries applicable: ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been

provided.

Company name:

AT&T **GSM**

Project: Title:

Arrangement for Detecting Fraudulently Identified Mobile Stations in a Cellular Mobile

Telecommunications Switching System

Country of registration:

Application no.:

5 309 501

Patent no.: Countries applicable: **ETSI Deliverable:**

US

US

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been

provided.

Company name: Project:

AT&T **GSM**

Title:

Arrangement for Obtaining Authentication Key Parameters in a Cellular Mobile Telecommunications

Switching Network

Country of registration:

Application no.:

Patent no.: Countries applicable: 5 329 573 US

ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name:

AT&T **GSM**

Project: Title:

Multipulse LPC Speech Processing Arrangement

Country of registration:

Application no.:

Patent no.: Countries applicable: 0 175 752 ΒE

ETSI Deliverable: Notes:

Company name: AT&T Project: GSM

Title: Digital Speech Coder

Country of registration:

Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

RE 32 580

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T

Project: GSM

Title: Multipulse LPC Speech Processing Arrangemen CA

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

1 222 568

CA

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T Project:

Title: Digital Speech Encoder

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

GSM

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3 244 476 DE

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T Project: **GSM**

Multipulse LPC Speech Processing Arrangement Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

3 575 624

DF

DE

Company name: AT&T Project: GSM

Title: Multipulse LPC Speech Processing Arrangement

Country of registration:

Application no.: Patent no.:

0 175 752 NI

Countries applicable: ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T

Project: GSM

Title: Multipulse LPC Speech Processing Arrangement

Country of registration: Application no.:

Patent no.: Countries applicable:

0 175 752 SE

ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T Project: **GSM**

Title: Digital Speech Encoder JP

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

1 332 758 JΡ

> AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T

Project: **GSM** Digital Speech Encoder Title: FR

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

8 219 772 FR

Notes:

Company name: AT&T Project: GSM

Title: Digital Speech Encoder

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

SE

Published 456 618

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

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Company name: AT&T Project: GSM

Title: Digital Speech Coder

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

1 181 854

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been

Company name: AT&T Project: GSM

Title: Digital Speech Encoder

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

2 110 906

GB

provided.

GB

AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company name: AT&T
Project: GSM

Title: Digital Speech Coder

Country of registration:

Application no.:

Patent no.:

1 181 854

Countries applicable: ETSI Deliverable:

Notes:

AT&T have stated that all of the identified patents have corresponding foreign pending applications but

they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been

provided.

Company name: BT GSM

Title: Cellular Radio Systems

Country of registration: NZ

Application no.:
Patent no.:
Countries applicable:
NZ

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: MX Application no.: 980652 Patent no.:

Countries applicable: MX ETSI Deliverable: GSM 02.53

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: KR
Application no.: 700512/98
Patent no.:
Countries applicable: KR
ETSI Deliverable: GSM 02.53

Notes:

Company name: BT Project: GSM

Title: Cellular Radio Systems

Country of registration: AU

Application no.:
Patent no.:
Countries applicable:
AU

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: JP Application no.: 97-506424

Patent no.:

Countries applicable: JP GSM 02.53

Notes:

Company name: BT GSM

Title: Transmission of Digital Signals

Country of registration: IN

Application no.: 1287/MAS/96

Patent no.:

Countries applicable: IN

ETSI Deliverable: GSM 02.53

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: CN
Application no.: 96196861.3
Patent no.:
Countries applicable: CN

ETSI Deliverable: GSM 02.53

Notes:

Company name: BT GSM

Title: Cellular Radio Systems

Country of registration: PL
Application no.:
Patent no.: 174356
Countries applicable: PL

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: AU
Application no.: 65245/96
Patent no.:

Countries applicable:

ountries applicable:

ETSI Deliverable:

AU GSM 02.53

Notes:

Company name: BT

Project: GSM
Title: Transmission of Digital Signals

Country of registration:
Application no.:
Patent no.:
Countries applicable:

Countries applicable: ETSI Deliverable:

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals
Country of registration: US

Country of registration: Application no.: Patent no.:

983578/08

PI9602981

GSM 02.53

MY

Countries applicable: US ETSI Deliverable: GSM 02.53

Notes:

Company name: BT GSM

Title: Transmission of Digital Signals

Country of registration: CA
Application no.: 2227273

Patent no.:

Countries applicable: CA ETSI Deliverable: GSM 02.53

Notes:

ВТ

Company name: BT
Project: GSM

Title: Transmission of Digital Signals BR

Application no.: Patent no.:

9609577-6

Countries applicable:

D.D.

ETSI Deliverable:

GSM 02.53

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: HK
Application no.: tba
Patent no.:
Countries applicable: HK
ETSI Deliverable: GSM 02.53

Notes:

Company name: BT

Project: GSM
Title: Voice Activity Detector

Country of registration: C.

Application no.:

Patent no.:

CA 1335003

Countries applicable: CA

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes: BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that

the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: вт **GSM** Project:

Title: Voice Activity Detector

Country of registration:

ΗK Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

HK GSM 06.32: GSM 06.42: GSM 06.82

1358/96

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

вт Company name: Project: **GSM**

Voice Activity Detector Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ΙE

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

IE 61863

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration: NZ Application no.: Patent no.:

228290 Countries applicable: ΝZ

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82 Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration:

Notes:

Application no.: Patent no.: 89978

Countries applicable:

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: GSM

Title: Voice Activity Detector

Country of registration:

Application no.:

9691600-2

SG

Patent no.: Countries applicable:

9691600-2 SG

ETSI Deliverable:

GSM 06.32: GSM 06.42: GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: **Project:**

BT GSM

Title:

Voice Activity Detector

Country of registration:

EPO

Application no.: Patent no.:

EP335521

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LU, NL, SE

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

ВТ

Project: Title: GSM

Country of registration:

Voice Activity Detector PCT

Application no.:

PCT/GB89/00247

Patent no.: Countries applicable: Published WO 89/08910

ETSI Deliverable:

AU, BR, DK, EPO, FI, JP, KR, NO GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

BT GSM

Project: Title:

Telecommunications System

Country of registration:

ΝZ

Application no.:

285840

Patent no.:

NZ, PCT

Countries applicable: ETSI Deliverable:

GSM 03.93 and GSM 04.93

Notes:

Company name: BT

Project:

GSM Telecommunications System

Country of registration:

Application no.:

AU 685281

Patent no.: Countries applicable:

AU

ETSI Deliverable:

GSM 03.93 and GSM 04.93

Title: Transmission of Digital Signals

Country of registration: NO Application no.: 980260 Patent no.:

Countries applicable: GSM 02.53 ETSI Deliverable:

Notes:

ВТ Company name: Project: **GSM**

Cellular Radio Systems Title:

Country of registration: US Application no.: 179961 Patent no.: Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

Company name: вт Project: **GSM**

Title: Transmission of Digital Signals SG

Country of registration: Application no.: Patent no.:

9801617-3

Countries applicable: SG GSM 02.53 **ETSI Deliverable:**

Notes:

Company name: BT **GSM** Project:

Title: Telecommunications System

ΑU

Country of registration:

Application no.:

Patent no.: 685280 Countries applicable: AU

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: вт Project: **GSM**

Title: Transmission of Digital Signals ΝZ

Country of registration: Application no.: Patent no.:

313228

Countries applicable:

ETSI Deliverable:

GSM 02.53

Notes:

Company name: BT **GSM** Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.: 158 852 (filed 29 Nov. 93)

Patent no.:

Countries applicable:

ETSI Deliverable:

ETS 300 581-6 and 300 580-7

Notes:

On 24 June 2002, BT has requested ETSI "to delete" the above entry from the IPR database. BT have stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 580-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is

Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616).

вт Company name: Project: GSM

Title: Telecommunications System

Country of registration: Application no.: 2189772 Patent no.:

Countries applicable:

CA **ETSI Deliverable:**

GSM 03.93 and GSM 04.93

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: SG Application no.: 9603021-8 Patent no.:

Countries applicable: SG

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: KR
Application no.: 706250/96
Patent no.:
Countries applicable: KR

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: JP

Country of registration: Application no.: Patent no.:

96-500499

Countries applicable: JP

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: EPO 96924979.6

Patent no.:

Countries applicable: BE, CH, DE, DK, ES, FI, FR, GB, IE, IT, NL, PT, SE

ETSI Deliverable: GSM 02.53

Notes:

Company name: BT GSM

Title: Cellular Radio Systems

Country of registration: EPO 94915668.1

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, IE, IT, NL, PT, SE ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69 Notes:

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: EPO

Application no.:

Patent no.: 761067

Countries applicable: BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: вт **GSM** Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

PI 9402448 (filed 14 Sept. 94) Application no.: MY-111134-A

Patent no.:

Countries applicable: ETSI Deliverable:

ETS 300 581-6: ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 24 June 2002, BT has provided the above Patent number to ETSI. On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

вт Company name: **GSM** Project:

Title: Telecommunications System

Country of registration: CN 95193283.7 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

RT Company name: Project: **GSM** Title:

Country of registration: US

Application no.: 232 475 (filed 25 Apr. 94)

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: On 24 June 2002, BT has requested ETSI "to delete" the above entry from the IPR database. BT have

stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 580-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120

Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616).

вт Company name: GSM Project:

Telecommunications System Title:

Country of registration: Application no.: Patent no.: 761068

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

ВT Company name: Project: **GSM**

Title: Telecommunications System CA

Country of registration: Application no.: Patent no.:

2189770

Countries applicable: CA

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

вт Company name: Project: **GSM**

Title: Telecommunications System

Country of registration: CN 95193282.9 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Telecommunications System

Country of registration: Application no.: 964659 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 03.93 and GSM 04.93

вт Company name: Project: **GSM**

Telecommunications System Title:

Country of registration:

708/MAS/95

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 03.93 and GSM 04.93

Notes:

вт Company name: Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

890/MAS/94 (filed 13 Sept. 94) Application no.:

Patent no.: 184794 Countries applicable: IN

ETSI Deliverable: ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 24 June 2002, BT has provided the above Patent number to ETSI. On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Telecommunications System US

Country of registration: Application no.: Patent no.:

673474/08

Countries applicable:

ETSI Deliverable:

US GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: **GSM**

Title: Cellular Radio Systems

Country of registration: NO Application no.: 954682 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: BT Project: **GSM**

Cellular Radio Systems Title:

Country of registration: KR Application no.: 705246/95 Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Cellular Radio Systems Title:

Country of registration: JΡ 95-500381 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

ВТ Company name: Project: **GSM**

Cellular Radio Systems Title: IN

Country of registration: Application no.:

422/MAS/94

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

ВТ Company name: Project: **GSM**

Title: Cellular Radio Systems

Country of registration: Application no.: Patent no.:

P9503283

HU

Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

Company name: BT Project: **GSM**

Cellular Radio Systems Title:

Country of registration: FΙ Application no.: 955579

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

Company name: BT Project: **GSM**

Title: Telecommunications System ΝZ

Country of registration:

Application no.:

Patent no.: 285839 Countries applicable: NZ, PCT

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: **GSM**

Title: Cellular Radio Systems

Country of registration: CA Application no.: 2162730 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Notes:

Company name: ВТ **GSM** Project:

Title: Cellular Radio Systems

Country of registration: SG 9603226-3 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Title: Telecommunications System

Country of registration: NO Application no.: 965034 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 03.93 and GSM 04.93

ВТ Company name: Project: **GSM**

Telecommunications System Title: Country of registration:

Application no.: 9604081-1 Patent no.: Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

ВТ Company name: Project: **GSM**

Title: Telecommunications System

Country of registration: Application no.: Patent no.:

706251/96

Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: JΡ Application no.: 96-500498

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: IN Application no.: 707/MAS/95

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: FΙ Application no.: 964658 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.93 and GSM 04.93

Notes:

Company name: ВТ **GSM** Project:

Title: Cellular Radio Systems

Country of registration: Application no.: CN

94192537.4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: вт **GSM** Project:

Title: Voice Activity Detector

Country of registration:

FΙ Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

110726

GSM 06.32: GSM 06.42: GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

вт Project: **GSM** Voice Activity Detector for Half Rate GSM Coder Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

1014392

HK ETS 300 581-6; ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151. ВТ

Company name:

Project: **GSM** Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

219994

HU

ETS 300 581-6; ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder JΡ

Country of registration: Application no.:

Patent no.: 3224132

Countries applicable:

JP

ETSI Deliverable:

ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name: вт **GSM** Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: KR 701186/96 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

ETS 300 581-6: ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

вт Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration: Application no.:

Patent no.: E97757 Countries applicable: AT

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

AT

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: ВТ Project: **GSM**

Title: Voice Activity Detector

Country of registration: Application no.:

Patent no.: 68929442.5

Countries applicable:

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

IT

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector NI

Country of registration: Application no.:

Patent no.: 68929442.5 NL

Countries applicable:

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.: 961158 Patent no.:

Countries applicable:

ETSI Deliverable:

ETS 300 581-6: ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity Notes:

detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

20010933

вт Company name: **GSM** Project:

Title: Voice Activity Detector FΙ

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: ВТ

Project: **GSM** Title: Voice Activity Detector

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

JP

89-503772

GSM 06.32; GSM 06.42; GSM 06.82

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free

licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector

Country of registration: Application no.:

Patent no.:

FΙ

904410

Countries applicable:

ETSI Deliverable:

Notes:

GSM 06.32; GSM 06.42; GSM 06.82 BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that

the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector

Country of registration:

Application no.:

Patent no.: 68929442.5

Countries applicable:

ES ETSI Deliverable: GSM 06.32: GSM 06.42: GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

вт Company name: GSM Project:

Voice Activity Detector for Half Rate GSM Coder Title:

Country of registration: Application no.: 070151/09 Patent no.: 6061647 Countries applicable: US

ETSI Deliverable: ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name: Project:

ВТ **GSM**

Title:

Voice Activity Detector

Country of registration:

Application no.:

68929442.5

Patent no.: Countries applicable:

SE

GSM 06.32; GSM 06.42; GSM 06.82

ETSI Deliverable: Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.: 273045 Countries applicable: ΝZ

ETS 300 581-6; ETS 300 581-7

ETSI Deliverable:

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

Title: Voice Activity Detector

Country of registration: Application no.:

JΡ

Patent no.:

3321156

Countries applicable: ETSI Deliverable:

JP GSM 06.32: GSM 06.42: GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

вт **GSM**

Project: Title:

Voice Activity Detector

Country of registration: Application no.:

GR

Patent no.:

3010629

Countries applicable: **ETSI Deliverable:**

GR

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

ВТ

Project: Title:

GSM

Country of registration:

Voice Activity Detector

Application no.:

GB

Patent no.: Countries applicable:

548054 GB

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name:

ВТ

Project: Title:

GSM Voice Activity Detector

Country of registration:

FR

Application no.:

Patent no.:

548054

Countries applicable:

FR

ETSI Deliverable: Notes:

GSM 06.32; GSM 06.42; GSM 06.82

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking

dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.:

Patent no.: Countries applicable: 281796

ETSI Deliverable:

SK ETS 300 581-6: ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

вт Company name: **GSM** Project:

Title: Voice Activity Detector

Country of registration: Application no.:

P68910859.1 Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: ВТ Project: **GSM**

Title: Voice Activity Detector

Country of registration:

Application no.: Patent no.:

68929442.5 Countries applicable: DE

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82 Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

9407535-2

Patent no.: Countries applicable: BR

ETSI Deliverable: ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

Title: Voice Activity Detector

Country of registration: DK 2156/90 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 06.32: GSM 06.42: GSM 06.82

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

вт Company name: Project: **GSM**

Voice Activity Detector Title:

Country of registration: Application no.:

Patent no.:

8907308-8 BR

Countries applicable: **ETSI Deliverable:**

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration: AU Application no.: Patent no.: 608432 Countries applicable: ΑU

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector HK

Country of registration: Application no.:

98114834.4

Patent no.:

HK

Countries applicable: **ETSI Deliverable:**

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector

Country of registration: JP

99-328198 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

GSM 06.32: GSM 06.42: GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: Project:

GSM Voice Activity Detector Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

161258 KR

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

вт

Notes: BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that

the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration: NO Application no.: Patent no.:

304858 Countries applicable: NO

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

Notes: BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that

the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector

Country of registration: Application no.: Patent no.:

NO 982568

Countries applicable: **ETSI Deliverable:**

Notes:

GSM 06.32; GSM 06.42; GSM 06.82

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking

dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.:

Patent no.: 719439

Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE

ETSI Deliverable: ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name:

вт GSM

Project: Title:

Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.: Countries applicable:

PV678-96 CZ

ETSI Deliverable:

ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name:

BT **GSM**

Project: Title:

Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.:

Patent no.:

94193383 CN

Countries applicable:

ETSI Deliverable:

ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

NO Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

307 979 NO

ETS 300 581-6: ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

2 169 745

вт Company name: GSM Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.: Countries applicable:

CA

ETSI Deliverable:

ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name: BT **GSM** Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.: 637 776 Countries applicable: ΑU

ETSI Deliverable: ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same

terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.:

363309

Countries applicable: ETSI Deliverable:

ETS 300 581-6: ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name:

вт GSM

Project: Title:

Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.:

Patent no.:

69419615.0

Countries applicable:

ETSI Deliverable:

ETS 300 581-6; ETS 300 581-7

Notes:

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name:

BT **GSM**

Project: Title:

Voice Activity Detector for Half Rate GSM Coder

Country of registration:

Application no.: Patent no.:

286743

Countries applicable: **ETSI Deliverable:**

Notes:

ETS 300 581-6; ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same

terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

SG Application no.:

Patent no.: Countries applicable: SG

ETSI Deliverable:

Notes:

48935

ETS 300 581-6: ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities

claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

AT

вт Company name: **GSM**

Project: Voice Activity Detector for Half Rate GSM Coder Title:

Country of registration:

Application no.: Patent no.:

E182420 Countries applicable:

ETSI Deliverable:

Notes:

ETS 300 581-6; ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector FPO

Country of registration: Application no.:

Patent no.:

93200015

Countries applicable:

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: BT Project: **GSM**

Title: Voice Activity Detector BE

Country of registration: Application no.:

Patent no.: Countries applicable: 68929442.5

ETSI Deliverable:

GSM 06.32; GSM 06.42; GSM 06.82

Notes:

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc.,

Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: Application no.: 596357/08 Patent no.: 5749067

Countries applicable: US

ETSI Deliverable: ETS 300 581-6: ETS 300 581-7

BT has stated that: the identified patent applications may be relevant to the half rate GSM voice activity Notes:

detector described in the following recommendations: ETS 300 581-6 and ETS 300 581-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the above mentioned undertaking given by BT. Main contact:

JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237

775 151.

вт Company name: Project: **GSM**

Voice Activity Detector Title:

Country of registration: Application no.:

Patent no.: 52776765 Countries applicable: US

ETSI Deliverable: GSM 06.32; GSM 06.42; GSM 06.82

US

BT has stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that Notes:

the patents claim priority form GB 880 5795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied. BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (Tel: +44 207 492 8152; Fax: +44 207 242 0616). On 20 May 2003, BT has informed ETSI that the above patent has been assigned on 15 April 2003 to LG Electronics Inc. At the same time, BT has informed ETSI that LG Electronics has confirmed that it will grant licences on the same terms and conditions as set out in the

above mentioned undertaking given by BT. Main contact: JungSheek Juhn, LG Electronics Inc., Intellectual Property Dept. / Phone: +82 237 777 108; Fax: +82 237 775 151.

Company name: **Bull CP8**

Project: **GSM** Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

2 477 344

A Method and System for Transmission of Confidential Data

FR GSM 02.09, GSM 03.20 and GSM 11.11

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of

particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Company name: **Bull CP8** Project: GSM Title: - CP8 Ref: 2415

Country of registration: FR

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

2 483 657

GSM 02.09, GSM 03.20 and GSM 11.11

Company name: **Bull CP8** Project: **GSM**

Title: A Method for Certifying the Origin of at Least One Item of Information Stored in the Memory of a First

Electronic Device and Tra

Country of registration:

Application no.:

Patent no.: 2 530 053 Countries applicable:

ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11 Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Bull CP8 Company name: Project: **GSM**

Title: A Process and System for Transmission of Signed Messages

Country of registration:

Application no.:

Patent no.: 2 480 539

Countries applicable: FR

ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of Notes: particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the

discriminatory terms and conditions.

Bull CP8 Company name: Project: **GSM**

Title: A Device for Transmitting Signals between two Data Processing Stations

Country of registration: Application no.:

Patent no.:

2 483 713 FR

Countries applicable: ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11

Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and nondiscriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

Company name: **Bull CP8** Project: **GSM**

SIM Personal Telephone Sets Title: FR

Country of registration:

Application no.:

Patent no.: 2 460 506 Countries applicable: FR

ETSI Deliverable: Notes:

GSM 02.09, GSM 03.20 and GSM 11.11

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Bull CP8 Company name: Project: **GSM**

Title: SIM Personal Telephone Sets

Country of registration:

Application no.: Patent no.:

2 401 459

Countries applicable: FR

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11

Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Company name: **Bull CP8** Project: **GSM**

Data Processing System which Protects the Secrecy of Confidential Information Title:

Country of registration: Application no.:

Patent no.: 2 389 284

Countries applicable: FR

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11 Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Bull CP8 Company name: Project: **GSM**

Title: Data processing System for Protecting the Secrecy of Confidential Information

Country of registration:

Application no.:

Patent no.: 2 392 447 Countries applicable: FR

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11

Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and nondiscriminatory terms and conditions.

Company name: Project:

Bull CP8 GSM

Title:

SIM Personal Telephone Sets Country of registration:

Application no.: Patent no.:

2 566 880

Countries applicable:

FR

ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11

Notes:

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-

discriminatory terms and conditions.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

Patent no.: Countries applicable: 0578810

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title:

Radio link failure

Country of registration:

LU

Application no.:

0578810

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure JΡ

Country of registration:

Application no.: Patent no.:

3210669

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

Patent no.:

Countries applicable:

0578810

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

ID

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

ID0002167

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GSM

0578810

Country of registration:

Radio link failure

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title: Country of registration: Radio link failure HK

Application no.:

Patent no.:

0578810

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM Radio link failure

Title:

Country of registration: Application no.:

MY

Patent no.:

109080-A

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GSM

0578810

Project: Title:

Radio link failure

Country of registration:

ion:

Application no.:

GR

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

GB

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

0578810

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Project:**

me: **Ericsson** GSM

Title:

Radio link failure

Country of registration:

NO

308979

Application no.:
Patent no.:

tion no.:

Countries applicable:

Countries applicate ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration: Application no.:

934350

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Reducing sparseness in coded speech signals AU

Country of registration:

88952/98

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

DK

Patent no.:

Application no.:

0578810

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.: Patent no.:

DE

Countries applicable:

ETSI Deliverable:

Notes:

69324308-2-08

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

0578810

Project: Title:

Radio link failure

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

BE

Application no.:

Patent no.:

0578810

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

0578810

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Reducing sparseness in coded speech signals

Country of registration: FPO Application no.: 1008141

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

DE, FR, GB, IT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Regular pulse positioning algorithm ΑE 3768

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

6301556

Reducing sparseness in coded speech signals

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Ericsson GSM

Reducing sparseness in coded speech signals US

6029125

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title: Country of registration: Reducing sparseness in coded speech signals

Application no.:

Patent no.:

116215

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Reducing sparseness in coded speech signals

Country of registration: SG

Application no.: PCT/SE98/01515

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Reducing sparseness in coded speech signals

RU

Country of registration:

Application no.: 2000108437

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

Reducing sparseness in coded speech signals

MX 2000001837

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** GSM

Project: Title: Reducing sparseness in coded speech signals

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

20007002011

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

GSM Radio link failure IJA

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

32528

Ericsson

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Reducing sparseness in coded speech signals

Country of registration:

Application no.: PCT/SE98/01515

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Radio link failure Title: RU

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Reducing sparseness in coded speech signals Title: CN

98808782/0

93058249/09

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Reducing sparseness in coded speech signals

Country of registration: CA Application no.: 2301886

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Reducing sparseness in coded speech signals BR

Country of registration: PCT/SE98/01515

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GSM

Title:

Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

518248/98

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Radio link failure

Country of registration:

Application no.:

US

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

5487071

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Title:

Radio link failure

658489

Country of registration:

AU

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM Radio link failure

TW

NI-084982

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM Radio link failure

Title: Country of registration:

Application no.:

Patent no.:

9200336-7

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Reducing sparseness in coded speech signals

Country of registration:

Application no.: 2000-209080

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Periodic power regulation

.IP

507106/94

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

TH

040121

Project: Title:

Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: GSM

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: CN

Application no.: 98804904-X

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Pop-subscription based mobile station idle mode cell selection

Country of registration:

CL 504-98

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

PI9808196-9 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: ΑIJ Application no.: 64276/98

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Pop-subscription based mobile station idle mode cell selection Title:

Country of registration: AR Application no.: 01031

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Periodic power regulation

Country of registration: US

Application no.: Patent no.:

5887245

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Periodic power regulation

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

67263

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.: P199900394

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Periodic power regulation

255617

EPO

965244

Ericsson

942033

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Pop-subscription based mobile station idle mode cell selection Title:

Country of registration:

Application no.: Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

BE, DE, ES, FI, FR, IT, SE, UK

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM Title: Periodic power regulation

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GSM

Periodic power regulation **EPO**

Country of registration:

Application no.:

Patent no.:

FP-611499

Countries applicable:

ETSI Deliverable:

BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE

Notes:

Company name:

Ericsson GSM

Project:

Title: Periodic power regulation CN

Country of registration:

Application no.:

Patent no.:

56451

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson**

Project: Title:

GSM Periodic power regulation

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

672628

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GSM** Title:

Periodic power regulation

Country of registration:

Application no.:

AT 93919748-9

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Multiframe synchronization control

Country of registration:

Application no.:

Patent no.:

ZΑ

Countries applicable:

ETSI Deliverable:

Notes:

97/9449

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Multiframe synchronization control

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

6215798

Notes:

Ericsson GSM

Project:

Title: Multiframe synchronization control

Country of registration:

Application no.:

Patent no.:

NI-100460

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Periodic power regulation

Country of registration:

Application no.: Patent no.:

2115241

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

PI9711920-2

BR

Title:

Providing caller ID within a mobile telecommunications network

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson

Title:

Providing caller ID within a mobile telecommunications network ZΑ

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

97/8835

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Providing caller ID within a mobile telecommunications network

Country of registration:

Application no.:

Patent no.: Countries applicable: 5930701

ETSI Deliverable:

Notes:

Ericsson Project: **GSM**

Title: Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

629637

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

MX 993165

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.:

69012419

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Providing caller ID within a mobile telecommunications network GB

Country of registration:

Application no.:

Patent no.: Countries applicable: 2332830

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Providing caller ID within a mobile telecommunications network

Country of registration:

Application no.:

Patent no.:

FΙ 990859

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Providing caller ID within a mobile telecommunications network

Country of registration:

19782064-6 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.:

CO 98-12315

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GSM** Title:

Providing caller ID within a mobile telecommunications network

Country of registration:

CA 2268846

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Title:

Radio link failure

Country of registration:

Application no.:

AT

Patent no.:

Countries applicable:

0578810

ETSI Deliverable:

Notes:

Project:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Providing caller ID within a mobile telecommunications network

Country of registration:

ΑIJ 4730697

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.:

Patent no.:

6334052

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.:

TR 1999/02478

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Title:

Ericsson GSM

PI9800990

Pop-subscription based mobile station idle mode cell selection MY

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title: Pop-subscription based mobile station idle mode cell selection

KR

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

10-1999-7008079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.:

Patent no.:

JΡ 10-538454

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

593/DEL/98 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

HK

00107541-9

97198882X

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Title:

Providing caller ID within a mobile telecommunications network CN

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Ericsson

Title: Country of registration: Speech coding with improved background noise reproduction

Application no.:

CA 2340160

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

38439

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: RU

Application no.: 2001110168

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Title: Speech coding with improved background noise reproduction MY

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

9903657

Title:

Speech coding with improved background noise reproduction MX

Country of registration:

Application no.:

PA/a/2001/002332

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Speech coding with improved background noise reproduction JĖ

Country of registration:

Application no.:

Patent no.:

2000/570769

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson**

Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

ΙŃ 00244

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Company name: Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

6275798

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GSM** Title:

Speech coding with improved background noise reproduction

Speech coding with improved background noise reproduction

Country of registration:

CN

Application no.:

99810944/4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Speech coding with improved background noise reproduction

Country of registration:

ZA 20011222

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Speech coding with improved background noise reproduction

Country of registration:

BR 9913754/2

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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Ericsson GSM

Project: Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Speech coding with improved background noise reproduction

63774/99

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson GSM

990104639

Title: Speech coding with improved background noise reproduction AR

Country of registration: Application no.:

Patent no.:

Company name:

Countries applicable: ETSI Deliverable:

Notes:

Project:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

5724664

67771

Signalling supplementary services towards MS in GSM MSC

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Signalling supplementary services towards MS in GSM MSC Title: TW

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration:

Application no.:

Patent no.: 44528

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GSM

Title:

Signalling supplementary services towards MS in GSM MSC

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

500884

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

189229

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Speech coding with improved background noise reproduction

Signalling supplementary services towards MS in GSM MSC

Country of registration: Application no.:

FPO 1112568

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

DE, FI, FR, GB, IT

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Company name: Project:

Ericsson GSM

Title:

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities **EPO**

Country of registration: Application no.:

1062825

Patent no.:

Countries applicable:

DE, GB, IT

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Notes:

Transmitter Power Control for Radio Telephone System.

Country of registration:

Application no.:

GB 2 233 517

Patent no.: Countries applicable:

ETSI Deliverable:

Ericsson OMC Ltd

Company name: Project:

Ericsson GSM Power Booster

Title: Country of registration:

Application no.:

GB

Patent no.:

Countries applicable:

GB 2 251 768

ETSI Deliverable:

Notes:

Ericsson OMC Ltd

Ericsson GSM

Project: Title:

Multiframe synchronization control

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

10-1999-7003688

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

Ericsson GSM

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

NI-078579

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: Title:

Company name:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

System and Method for Interworking of Wireless Communication Systems with ISDN Networks

VΕ 2760-98

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Patent no.:

Country of registration:

Application no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

System and Method for Interworking of Wireless Communication Systems with ISDN Networks US

6073018

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

> System and Method for Interworking of Wireless Communication Systems with ISDN Networks CÌ

2993-98

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

TW 88113970

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Application no.:

IL 138324

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Signalling supplementary services towards MS in GSM MSC

Country of registration:

DE

Application no.:

94200258-5

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

GSM

Project: Title:

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration:

CN Application no.:

Patent no.:

99805946-3

Ericsson

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration:

AU 29907/99

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title: System and Method for Adaptive Thresholds for Cell Load Sharing

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

6266531

US

09/469258

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Speech encoding including soft adaptability feature

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title:

Speech encoding including soft adaptability feature

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

6058359

Title: Speech encoding including soft adaptability feature Country of registration:

Application no.:

2000-534999

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Speech encoding including soft adaptability feature EPO

Country of registration:

Application no.:

Patent no.:

1008141

Countries applicable:

ETSI Deliverable:

DE, FR, GB

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: Project:

Ericsson GSM

Title:

Speech encoding including soft adaptability feature

Country of registration: Application no.:

CN 998036404

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration:

Application no.: Patent no.:

6002936

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

1475

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

233100

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

ΝZ

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Ericsson

Project:

GSM

Title:

Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

Company name:

NI

Countries applicable: **ETSI Deliverable:**

397628

Notes:

Company name:

Ericsson

Project:

GSM

Title:

Regular pulse positioning algorithm

Country of registration: Application no.:

Patent no.:

106695-A

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

177887

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

KW

PA31/90

Project: **GSM** Title:

Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

095842

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

3054438

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration: FPO Application no.: 622928

Patent no.: Countries applicable:

ETSI Deliverable:

ES, FI, FR, GB, GR, IT, NL

Notes:

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Company name: **Ericsson** Project: GSM

Title: Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

66681

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Title: Regular pulse positioning algorithm

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

SA

90110060

Title: Country of registration: Regular pulse positioning algorithm

0397628

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.:

397628

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GSM

Title:

Regular pulse positioning algorithm

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

101753

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Regular pulse positioning algorithm

Country of registration:

ES

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

2060132

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

397628

Title:

Regular pulse positioning algorithm

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Improvements in, or relating to, Equalisers

Country of registration:

Application no.:

Patent no.:

GB 2 215 567

Countries applicable:

GB

GB

ETSI Deliverable:

Notes:

Ericsson OMC Ltd

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Regular pulse positioning algorithm CN

Application no.:

Patent no.:

21207

Countries applicable:

Notes:

ETSI Deliverable:

Company name:

Ericsson

Project:

GSM

Title:

Regular pulse positioning algorithm

Country of registration: Application no.:

Patent no.:

2032520

Countries applicable: ETSI Deliverable:

Notes:

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Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Regular pulse positioning algorithm

Application no.:

Patent no.: Countries applicable: 397628

ETSI Deliverable:

Notes:

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Company name:

Ericsson GSM

Project: Title:

Remote control supplementary service

Country of registration:

JP

Application no.:

520542/95

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

9006761

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Signalling supplementary services towards MS in GSM MSC

Country of registration:

CÑ

Application no.:

Patent no.:

94101803-2

Countries applicable: **ETSI Deliverable:**

Notes:

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Ericsson

Project:

GSM

Title:

Signalling supplementary services towards MS in GSM MSC

Country of registration: Application no.:

Countries applicable:

Patent no.:

673709

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Selection of location measurement units for determining the position of a mobile communication station

Country of registration:

PCT

Application no.:

Patent no.:

PCT/SE00/01327

Countries applicable:

ETSI Deliverable:

Notes:

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Company name:

Project:

Title:

Ericsson

6282427

GSM

Country of registration:

Selection of location measurement units for determining the position of a mobile communication station

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title: Country of registration: Selection of location measurement units for determining the position of a mobile communication station

Application no.:

Patent no.:

00948432/0

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Restoration of a home location register in a mobile telephone system

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

5561854

Company name: Project:

Ericsson GSM

Title: Restoration of a home location register in a mobile telephone system

Country of registration: Application no.:

9301075-9

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

27161

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Company name:

Ericsson GSM

Project: Title:

Remote control supplementary service

Country of registration:

SE

Application no.:

9400313-4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Company name:

Ericsson

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

132308

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

51903

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

Project:

Title: Regular pulse positioning algorithm

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

5193140

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Company name: Project: Title:

GSM Regular pulse positioning algorithm

44797

24559

Ericsson

10822

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: GSM

Title: Regular pulse positioning algorithm TH

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Regular pulse positioning algorithm

Country of registration:

Application no.:

SG 1633

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GSM

Project:

Title: Regular pulse positioning algorithm

Country of registration:

Application no.:

Patent no.:

8901697-6

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Signalling supplementary services towards MS in GSM MSC

Country of registration:

DΚ

Application no.:

94200258-5

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title:

Remote control supplementary service

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Ericsson

5327576

5781858

Title:

Handoff of a mobile station between half rate and full rate channels US

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

0472511

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

3235837

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Application no.:

0597079

Ericsson

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM**

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

0597079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

1009666

Title: Country of registration: Means in conjunction with updating one or more HLR databases included in a mobile telephone system HK

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

0597079

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

0597079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

Patent no.: Countries applicable: 0597079

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

0597079

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

CN

93106542-9

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

CA 2112971

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GSM

Title: Country of registration:

Application no.:

Patent no.:

181942

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Company name:

Ericsson

Project:

GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

Patent no.: Countries applicable: 660825

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

0597079

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

NI-58829

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

0472511

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project: Title:

GSM Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.:

0472511

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.: Patent no.:

180069

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

222631

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

3081681

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.: Patent no.:

Countries applicable:

0472511

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GSM Handoff of a mobile station between half rate and full rate channels

Title: Country of registration:

Application no.:

Patent no.:

1003/97

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

0472511

Project: Title:

GSM Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

0472511

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

0472511

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and apparatus for communication control in a radiotelephone system

Country of registration:

Application no.:

5353332

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project: Title:

GSM Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

Patent no.:

9305535-8

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Mobile Phones

Country of registration:

Application no.:

CA 2264068

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

5953323

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

US

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

1999/00407

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

RU

Patent no.: Countries applicable:

ETSI Deliverable:

2173031

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project: Title:

GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.: Patent no.:

1999-0979

NO

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.: Patent no.:

KR 2000035806

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.: Patent no.:

JP 511544/98

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Title:

Mobile Phones IN

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

2276/DEL/97

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Company name: Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

ID 972921

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.: Patent no.:

FPO EP-922367

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

FF P199900076

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

Patent no.:

CO 9749900

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

289375

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Mobile Phones

Country of registration:

CL 1764/97

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GSM Handoff of a mobile station between half rate and full rate channels

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

69125227

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Country of registration:

Mobile Phones BR

Application no.:

9711377

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project:

GSM

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

ΑU

Patent no.:

721170

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Ericsson GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

Patent no.:

970103907

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Message area procedure

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

5621783

Ericsson

Project: Title:

GSM

Country of registration:

Message area procedure

Application no.:

TH 24235

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Message area procedure

Country of registration: Application no.:

Patent no.:

9303491-6

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

5490201

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

TH 19083

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

Patent no.:

45170

Countries applicable: **ETSI Deliverable:**

Notes:

Company name:

Ericsson

Project: Title:

GSM Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

Patent no.:

9201723-5

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson**

Project:

GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

SA 93130572

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.: Patent no.:

253369

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

CN 1228903

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Communication control technique for a radiotelephone system

Application no.:

SE 9401644-1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: GSM

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.: Countries applicable: 2101736

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: An adaptive criterion for speech coding

2001108584

RU

MY

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration:

Application no.: 9903552 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Ericsson

Title: An adaptive criterion for speech coding Country of registration:

Application no.: PCT/SE99/01350

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

An adaptive criterion for speech coding

Country of registration:

Application no.:

Patent no.:

KR 10/2001/7002609

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration:

Application no.: 2000/568079

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration:

Application no.:

Patent no.: Countries applicable:

PI9106663-8

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.:

ETSI Deliverable:

Notes:

Ericsson GSM

Encryption system for digital cellular communications

645464

Countries applicable:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Company name: Project:

Ericsson GSM

Title: Communication control technique for a radiotelephone system

Country of registration: VΕ Application no.: 1380

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

US 945468

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Company name:

Ericsson GSM

Project: Title: Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.: Countries applicable: 68857

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

An adaptive criterion for speech coding

Country of registration: Application no.:

TW 88113965

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.: Patent no.:

52648

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

6192335

Project: Title:

An adaptive criterion for speech coding US

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

256326

Notes:

Company name: Project:

Ericsson GSM

Title: Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

109870

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GSM Communication control technique for a radiotelephone system

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

182383

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

1114414

FPO

Title:

An adaptive criterion for speech coding

Country of registration: Application no.:

Patent no.: Countries applicable:

DE, FI, FR, GB, IT

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

CN

Title:

An adaptive criterion for speech coding

Country of registration:

Application no.:

Patent no.:

99812785/X

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

CA

Project: Title:

An adaptive criterion for speech coding

Country of registration:

Application no.: Patent no.:

2342353

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Ericsson** Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration:

Application no.: PI9913292/3

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration: AU

Application no.: PCT/SE99/01350

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration: AR Application no.:

990104361 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM** Receiver Gain Title: GB

Country of registration:

Application no.:

Patent no.: GB 2 233 846

Countries applicable:

ETSI Deliverable:

Ericsson OMC Ltd Notes:

Company name: **Ericsson** Project: **GSM**

Title: Message area procedure

Country of registration: JΡ Application no.: 511700

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: Project:

Ericsson GSM

Title: Multiframe synchronization control

Country of registration: Application no.:

JP 521287/98

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Communication control technique for a radiotelephone system TH

Application no.: Patent no.:

020089

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Encryption system for digital cellular communications

Application no.:

Patent no.:

Countries applicable:

ZL91105013-2

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

CA

Application no.:

2049712

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Handoff of a mobile station between half rate and full rate channels

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

8261991

Encryption system for digital cellular communications

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

942

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Encryption system for digital cellular communications

Application no.: Patent no.:

Countries applicable:

5148485

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

54421

Project: Title:

Encryption system for digital cellular communications

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Encryption system for digital cellular communications

Country of registration:

SG

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

9491780-4

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

132769

Project: Title:

Encryption system for digital cellular communications

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

238651

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

178507

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

Encryption system for digital cellular communications

214763

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Encryption system for digital cellular communications

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Title:

2688659

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

An adaptive criterion for speech coding SG

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

200101215/2

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GSM

Project:

Title: Encryption system for digital cellular communications

Country of registration:

Application no.:

Patent no.:

2261348

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

0597079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Encryption system for digital cellular communications

Country of registration:

Application no.: Patent no.:

2087616

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

KR

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

10277558

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

4158

Notes:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.:

1006623

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Communication control technique for a radiotelephone system

Application no.: Patent no.:

Countries applicable:

2275589

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.:

1051901

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

CA 2123605

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Communication control technique for a radiotelephone system

Country of registration:

Application no.:

Patent no.:

668591

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Ericsson** Project: **GSM**

Title: Communication control technique for a radiotelephone system

Country of registration: AR Application no.: 326001

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: A Method for Achieving Optimal Channel Coding in a Communication System

Country of registration: US Application no.: 09/082195

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

A Method for Achieving Optimal Channel Coding in a Communication System

5757813

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: An adaptive criterion for speech coding ZΑ 20011666

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: Application no.:

Patent no.: 297/1995

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.: Countries applicable: 0598863

Ericsson

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Method and apparatus for Synchronizing private radio systems Title:

Country of registration: Application no.: Patent no.:

ID 972928

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

Patent no.:

0619932

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

69320174-6

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.: Patent no.:

93119714-7

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

CA 2126853

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

Patent no.:

PI9305689-3

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

667601

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Title: Country of registration: Method for a mobile tele system when assigning a traffic channel

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Project:

NI-072935

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.:

9201227-7

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

Project:

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.:

251790

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.: Patent no.:

0598863

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.:

0598863

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

Title:

Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.: Patent no.:

0598863

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.: Patent no.:

0619932

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

0598863

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title: Method and apparatus for Synchronizing private radio systems

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

9900706-4

IN

2202/DEL/1997

Title:

Method and apparatus for Synchronizing private radio systems SE

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Method and apparatus for Synchronizing private radio systems US

Country of registration:

Application no.: Patent no.:

5898929

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Method and system for determining position of mobile radio terminals CA

Country of registration: Application no.:

2311717

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Method and system for determining position of mobile radio terminals

Country of registration: Application no.: 1034678 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

DE, ES, GB

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **GSM**

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

0598863

HK1001947

Method for a mobile tele system when assigning a traffic channel

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Method for a mobile tele system when assigning a traffic channel GR

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Notes:

0598863

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project:

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

69313077

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson GSM

Project:

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

0598863

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

0598863

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for a mobile tele system when assigning a traffic channel

Method for a mobile tele system when assigning a traffic channel

Country of registration:

FΙ 935619

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

0598863

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

0619932

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Application no.:

Patent no.: Countries applicable: 662225

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: Application no.:

TH 020462

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: **GSM** Title:

Multiframe synchronization control

Country of registration:

Application no.:

ΑU 4890497

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

09/410044

Title: Country of registration: Method for encryption of information US

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for encryption of information

Country of registration:

Application no.:

Patent no.: Countries applicable: 5987139

ETSI Deliverable:

Notes:

Project: **GSM**

Title: Method for encryption of information

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

9503343-7

Ericsson

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Method for encryption of information

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

2173505

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

318911

Method for encryption of information

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

Method for encryption of information

1998-702245

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for encryption of information

Country of registration:

Application no.:

Patent no.:

JΡ 513340/97

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Ericsson** Project: **GSM**

Title: Method for encryption of information

Country of registration: FPO Application no.: 872078

Patent no.: Countries applicable:

ETSI Deliverable:

DE, DK, ES, FI, FR, GB, IT

Notes:

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Company name: **Ericsson** Project: **GSM**

Method for encryption of information Title:

Country of registration: Application no.:

CN 96197264.5

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **GSM**

Method for encryption of information Title:

Country of registration: CA Application no.: 2233463

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Method for encryption of information ΑU

712649

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

Patent no.:

5557655

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson GSM

Project: Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

943050

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Company name:

Ericsson GSM

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

FΙ 940490

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

HK1002693

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

0619932

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

JΡ 510960

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.: Countries applicable:

212937

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: GSM

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

182882

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.: Countries applicable: NI-074639

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

2271046

Title: Multiframe synchronization control CA

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson GSM

Title: Multiframe synchronization control

Country of registration:

BR

Application no.: Patent no.:

PI9712478-8

Countries applicable: **ETSI Deliverable:**

Notes:

Company name:

Ericsson

Project: Title:

GSM Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

0619932

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

257421

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

2121227

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

9203143-4

Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

SE

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

50399

Ericsson

Project:

GSM

Title: Country of registration: Method and system for determining position of mobile radio terminals

Application no.:

CN 98813330

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

720872

Project: Title:

GSM Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and apparatus for Synchronizing private radio systems

Country of registration: Application no.:

CO 9749901

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas

Country of registration:

Application no.:

BR PI9713870-3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Country of registration: Application no.:

Areas CA 2274138

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project:

GSM

Title: Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas GB

Application no.:

Country of registration:

Patent no.:

2334859

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas

Country of registration: Application no.:

MX 95054

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

6011973

Project: Title:

GSM Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Country of registration:

Areas US

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Ericsson

GSM Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

718104

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM

Country of registration:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards **EPO**

Application no.:

876736

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project: Title:

GSM Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Application no.:

CN 97192319-1

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration: Application no.:

Patent no.:

319935

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and apparatus for Synchronizing private radio systems

Country of registration:

CL 1763/97

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project:

GSM Method and apparatus for Synchronizing private radio systems

Title: Country of registration:

970103905

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.:

5999811

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson

Project: Title:

GSM Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.:

Patent no.:

2160975

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: Title:

GSM Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

KR

Application no.:

1998/706382

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson GSM

HK

99103668-7

Title:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.:

Patent no.:

PI9707443-8

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson GSM

Project: Title:

Multiframe synchronization control

Country of registration:

Application no.:

EPO 935867

Patent no.:

Countries applicable: **ETSI Deliverable:**

DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Ericsson

Project: Title:

GSM Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration:

PI9708916-8

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Ericsson GSM

97196200-6

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset CN

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson GSM Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

BE, DE, FI, FR, GB, IT, SE

Notes:

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Company name:

Project:

Title:

Ericsson GSM Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

1998/708714

EPO

897647

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

GSM

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Ericsson

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

PΗ

56355

Company name:

Ericsson

Project:

GSM

Title:

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas

Country of registration:

Application no.: Patent no.:

ΑU

Countries applicable:

ETSI Deliverable:

Notes:

735117

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM Title: Multiframe synchronization control HU

Ericsson

P0000093

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Ericsson GSM

6014561

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Ericsson GSM

Method and system for determining position of mobile radio terminals

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

6064888

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Gemplus

GSM Title:

Procédé, carte à puce et terminaux pour effectuer des transactions à travers un réseau de

télécommunication.

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

FR9714578

Notes:

In accordance with the ETSI IPR Policy, article 4.1, GEMPLUS inform ETSI that, in relation to Work Item No. TDOC ETSI SMG9 (98) 105 "Access to auxiliary devices", wit-h reference to ETSI draft Standard No. GSM 11.14 release 98 and/or with reference to the technical proposal identified as (1) Change Request 11.14 A079 it is the belief of the undersigned that the fllowing IPRs are, or are likely to become essential

IPRs in relation that that Standard.

Company name: Innovatron
Project: GSM

Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices

Country of registration: GB

 Application no.:
 32 293/79 (23/01/79)

 Patent no.:
 2 036 435 (03.11.82)

Countries applicable: GB ETSI Deliverable:

Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company name: Innovatron
Project: GSM
Title:
Country of registration: JP

Country of registration: JP 500 325-54 (1979)
Patent no.: 1 435 657 (25.04.98)

Countries applicable: JP

ETSI Deliverable:

Notes:

Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company name: Innovatron
Project: GSM
Title:
Country of registration: DF

Country of registration: DE Application no.: DE 29 54 742.0 (09/03/93)

Patent no.:

Countries applicable:

DE

ETSI Deliverable:

Notes: Code: SCLIF2. Expiry Date: 23/01/1999. Examination in progress.

Company name: Innovatron
Project: GSM

Title:

Country of registration: US

 Application no.:
 169 114 (17/09/79)

 Patent no.:
 4 494 464 (13.09.83)

Countries applicable: US

ETSI Deliverable:

Notes: Code SCLIF. Expiry date: 13/09/2000. Final grant secured.

Company name: Innovatron GSM

Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices

Country of registration: FR

Application no.: 78-01876 (24/01/78)
Patent no.: 2 415 378 (16/07/82)
Countries applicable: FP

Countries applicable: FI

ETSI Deliverable:

Notes: Code: SCLIF. Expiry date: 24/01/1998. Final grant secured.

Company name: Innovatron
Project: GSM

Title:

Country of registration: DE

 Application no.:
 29 33 191.7 (20/09/79)

 Patent no.:
 29 33 191 (06.02.92)

Countries applicable:

ETSI Deliverable:

Notes: Code: SCLIF1. Expiry date: 23/01/1999. Final grant secured after opposition.

Company name: Innovatron
Project: GSM
Title:

Country of registration: SE
Application no.: 79 07774-9
Patent no.: 431 687
Countries applicable: SE

ETSI Deliverable:

Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company name: Innovatron Project: **GSM** Title:

Country of registration:

DF

Application no.: 29 54 748.6 (19.12.94)

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

KPN Company name:

Project: **GSM** Method for coding an analog signal having a repetitive nature and a device for coding by said method

Title: Country of registration:

US

Application no.: Patent no.:

US5528629

US

Countries applicable: **ETSI Deliverable:**

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Code: SCLIF3. Expiry date: 23/01/1999. Examination in progress.

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **KPN** Project: **GSM**

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration:

Application no.: Patent no.:

NO302549

Countries applicable:

ETSI Deliverable:

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **GSM**

Method for coding an analog signal having a repetitive nature and a device for coding by said method Title:

Country of registration:

Application no.: Patent no.:

FI105624

FΙ

Countries applicable:

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **GSM**

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration:

Application no.:

JP2640595

JP

Patent no.:

JΡ

Countries applicable: **ETSI Deliverable:**

Notes:

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **GSM**

Method for coding an analog signal having a repetitive nature and a device for coding by said method Title:

Country of registration:

Application no.: Patent no.:

PT98900

Countries applicable:

PT

ETSI Deliverable:

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

KPN

Project:

GSM

Title:

Method for coding an analog signal having a repetitive nature and a device for coding by said method **EPO**

Country of registration: Application no.:

Patent no.:

EP0475520

Countries applicable: ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

KPN GSM

Project: Title:

Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration:

Application no.: Patent no.:

CA2050979

Countries applicable:

ETSI Deliverable:

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V3.1.0

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Libertel Groep B.V. **GSM**

Project: Title:

Number Portability

Country of registration: Application no.:

NL 1006862

Patent no.: Countries applicable: 1006862 NI

ETSI Deliverable:

GSM 03.66

This statement is made May 5th 1999 by R.G.C.M van Basten Batenburg as a representative of Libertel, a

Notes:

Member of ETSI. In accordance with the ETSI IPR Policy, article 4.1, I hereby inform ETSI that, in relation to Work Item (EURO) MNP, with reference to ETSI draft Standard No. GSM 03.66, it is the belief of the undersigned that the following IPRs are, or are likely to become, Essential IPRs in relation to that

standard.

Company name:

Libertel Groep B.V.

Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

PCT/NL98/00480 Pending

Countries applicable:

ETSI Deliverable:

GSM 03.66

Notes:

This statement is made May 5th 1999 by R.G.C.M van Basten Batenburg as a representative of Libertel, a Member of ETSI. In accordance with the ETSI IPR Policy, article 4.1, I hereby inform ETSI that, in relation to Work Item (EURO) MNP, with reference to ETSI draft Standard No. GSM 03.66, it is the belief of the undersigned that the following IPRs are, or are likely to become, Essential IPRs in relation to that

standard.

Company name:

Lupa Finances

Project: Title:

GSM

Country of registration:

Automatic Telephone Number Dialler

Application no.:

EPO

Patent no.:

Published A1-0 075 120

Countries applicable: **ETSI Deliverable:**

AT, BE, DE, FR, GB, IT, LU, NL, SE

Notes:

An evaluation report for Lupa Finances' published European patent application, EP 0 075 120 A1 has been prepared by N&M Consultancy Limited, at the request of the ETSI Secretariat, and a copy of this

report can be made available to ETSI Members, on REQUEST, from the ETSI Secretariat.

Company name:

Lupa Finances

Project:

GSM

Title: Country of registration: Application no.:

Automatic Telephone Number Dialler CH

Patent no.:

6127/81

Countries applicable:

CH

ETSI Deliverable: Notes:

An evaluation report for Lupa Finances' published European patent application, EP 0 075 120 A1 has been prepared by N&M Consultancy Limited, at the request of the ETSI Secretariat, and a copy of this

report can be made available to ETSI Members, on REQUEST, from the ETSI Secretariat.

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

Country of registration: BR

Application no.: PI 900 1902.4

Patent no.:

Countries applicable: BR

ETSI Deliverable:

Notes:

GSM 04.08, V 05.10

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

> applications NO 90 18 15

Application no.: Patent no.:

Country of registration:

NO

Countries applicable: **ETSI Deliverable:**

Notes:

GSM 04.08, V 05.10

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

Country of registration: AU Application no.: 622 543

Patent no.:

Countries applicable:

GSM 04.08, V 05.10 **ETSI Deliverable:**

Notes:

Company name: Matra Project:

Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Title:

Communication avec les Mobiles

Country of registration: Application no.: 91 03 903

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 04.08, V4.9.0

Notes:

Company name: Matra Project: GSM

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications FR

Application no.: Patent no.:

89 05 469

Countries applicable:

ETSI Deliverable: GSM 04.08 and 05.10

Notes:

Matra Company name: Project:

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

> applications CA

Country of registration: Application no.:

Country of registration:

Patent no.:

2 015 237

Countries applicable: CA

ETSI Deliverable: GSM 04.08, V 05.10

Notes:

Matra Company name: Project: **GSM**

Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de

Communication avec les Mobiles

Country of registration: AU Application no.:

Patent no.:

638 160

Countries applicable:

ETSI Deliverable:

GSM 04.08, V4.9.0

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

Country of registration: FΙ Application no.:

90 2080

Patent no.: Countries applicable:

ETSI Deliverable: GSM 04.08, V 05.10

Notes:

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

> applications JÞ

Country of registration: Application no.:

1 986 761

Patent no.: Countries applicable:

ETSI Deliverable:

GSM 04.08, V 05.10

Notes:

Company name: Matra Project: **GSM**

Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de

communication avec les mobiles

Country of registration: Application no.:

FR 90 10 485

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 04.08, V4.9.0

Notes:

Company name: Matra Project: **GSM**

Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de

Communication avec les Mobiles **EPO**

Country of registration: Application no.:

0472 460 B1

Patent no.:

Countries applicable: BE, DE, DK, ES, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 04.08, V4.9.0

Notes:

Company name: Matra GSM

Project: Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications Country of registration: ΙĖ 65 521

Application no.: Patent no.:

Countries applicable:

ΙE **ETSI Deliverable:** GSM 04.08, V 05.10

Notes:

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

> applications **EPO**

Country of registration: Application no.:

Patent no.:

0398773 B1

Countries applicable: AT, BE, CH, DE, DK, ES, GB, IT, LI, LU, NL, SE

ETSI Deliverable: GSM 04.08, V 05.10

Notes:

Matra Company name: Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

PΤ Country of registration: 93 870 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: GSM 04.08, V 05.10

Company name: Matra Project: **GSM**

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

Country of registration: US Application no.: 5 128 925 Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 04.08, V 05.10

US

Notes:

Company name: Matra Project: **GSM**

Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de

communication à multiplexage dan

Country of registration: Application no.: 90 10 485

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 04.08, V4.9.0

Notes:

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: SG

Application no.:

Patent no.: SG 606/64

Countries applicable: SI

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Mitsubishi Electric Corporation Company name:

Project:

Title: Method and Apparatus for Handoff of in Call Progress

Country of registration:

Application no.:

Patent no.: GB2 204 215

Countries applicable: GB

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Mitsubishi Electric Corporation Company name:

Project:

Title: Control Device for Radio Communication Apparatus **EPO**

Country of registration:

Application no.:

Patent no.: EP 0464 314 A Countries applicable: DE, FR, GB, SE **ETSI Deliverable:** GSM 05 series Notes: **TDMA Timing Control**

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Handoff of in Call Progress

Country of registration: US

Application no.: Patent no.: US 5 067 171

Countries applicable: US

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration:

Application no.:

HK

Patent no.: HK 923/94

Countries applicable: HK

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

NO

Project:

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration:

Application no.:

Patent no.: NO 174 448 B NO

Countries applicable: ETSI Deliverable:

GSM 03.09 and 05.08

Notes:

Mitsubishi Electric Corporation Company name:

Project:

Method and Apparatus for Handoff of in Call Pogress Title:

Country of registration:

Application no.:

Patent no.:

Published SE 8 801 191

Countries applicable:

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Company name: Mitsubishi Electric Corporation

Project:

Data Conversion Apparatus and Data Conversion Method Title:

Country of registration: CA

PCT/JP96/02154 Application no.: Patent no.: CA 2203380

Countries applicable: BE, CA, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, NL, NO, SE, US

ETSI Deliverable: 3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Corporation Company name:

Project: **GSM**

Title: Data Conversion Apparatus and Data Conversion Method

Country of registration: ΑIJ

PCT/JP96/02154 Application no.: Patent no.: AU 693719

Countries applicable: AU, BE, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, NL, NO, SE, US

ETSI Deliverable: Notes:

3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project:

Title: Data Conversion Apparatus and Data Conversion Method

Country of registration:

Application no.: PCT/JP96/02154 Patent no.: JP 3035358

Countries applicable:

BE, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, NL, NO, SE, US **ETSI Deliverable:** 3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project:

Data Conversion Apparatus and Data Conversion Method Title:

Country of registration:

Application no.: PCT/JP96/02154

KR 0250803 Patent no.: Countries applicable: BE, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, KR, NL, NO, SE, US

ETSI Deliverable: 3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Mitsubishi Electric Corporation

Project:

Title: Data Conversion Apparatus and Data Conversion Method

Country of registration: SG

PCT/JP96/02154 Application no.: Patent no.: SG 43626

Countries applicable: BE, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, NL, NO, SE, SG, US 3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919 ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: GSM

Data Conversion Apparatus and Data Conversion Method Title:

Country of registration: US

Application no.: PCT/JP96/02154 US 6201869 Patent no.:

BE, CH, CN, DE, DK, ES, FI, FR, GB, IT, JP, NL, NO, SE, US Countries applicable:

ETSI Deliverable: 3GPP TS 55.216; 3GPP TS 55.217; 3GPP TS 55.218; 3GPP TS 55.919

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

CA

Project:

Method and Apparatus for Handoff of in Call Progress Title:

Country of registration:

Application no.:

Patent no.: CA 1 306 014

Countries applicable: CA

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Company name: Mitsubishi Electric Corporation

Project:

Control Device for Radio Communication Apparatus Title:

Country of registration:

Application no.:

Patent no.: Published JP 406 882 7

Countries applicable: JP

ETSI Deliverable: GSM 05 series Notes: **TDMA Timing Control**

Company name: Mitsubishi Electric Corporation

Project:

Title:

Control Device for Radio Communication Apparatus Country of registration:

Application no.:

Patent no.: CA 2 038 645

Countries applicable: CA

ETSI Deliverable: GSM 05 series Notes: **TDMA Timing Control**

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration:

Application no.: Patent no.:

Published JP 63245142

Countries applicable:

ETSI Deliverable: GSM 03.09 and 05.08

Notes:

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration:

Application no.:

DK 8 801 699

Patent no.: Countries applicable: DK

ETSI Deliverable: GSM 03.09 and 05.08

Title: Digital Radio Communication System and Two-Way Radio

Country of registration: Application no.: 91 5002 Patent no.: FΙ

Countries applicable: **ETSI Deliverable:**

Applies broadly to GSM. Notes:

Motorola Company name: Project:

Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder Title:

Country of registration: GB Application no.: 9420077.1 Patent no.: Countries applicable: GB GSM 06.20 **ETSI Deliverable:**

Notes:

Company name: Motorola Project:

Packet Switched Cellular Telephone System Title:

Country of registration: Application no.:

Patent no.: Published 8 901 276

Countries applicable:

GSM 05.08 **ETSI Deliverable:**

Notes:

Company name: Motorola Project: **GSM**

Title: Cellular Radio Telephone with Dropped Call Protection

Country of registration:

Application no.:

Patent no.: Published 88 5520

Countries applicable: FΙ

ETSI Deliverable: GSM 04.08

Notes:

Company name: Motorola Project: GSM

Title: Clock Rate Matching in Independent Networks FR

Country of registration:

Application no.:

9202058 Patent no.: Countries applicable: FR

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project:

TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase Title:

Variation and Multipath Fading

Country of registration: FΙ

Application no.:

Patent no.: 97 712 Countries applicable:

ETSI Deliverable:

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration: Application no.:

Patent no.: Published 9401450

Countries applicable: FR GSM 06.20 **ETSI Deliverable:**

Title: Vector Quantizer Method and Apparatus

Country of registration:

Application no.:

Patent no.: Published 2706064

Countries applicable: **ETSI Deliverable:**

GSM 06.20

Notes:

Motorola Company name: Project: **GSM**

Vector Quantizer Method and Apparatus Title:

Country of registration:

Application no.:

Published 2709366

Countries applicable: **ETSI Deliverable:**

FR GSM 06.20

Notes:

Patent no.:

Company name: Motorola Project:

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: **EPO**

Application no.: Patent no.:

EP0372008B

AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE Countries applicable:

ETSI Deliverable: GSM 06.20; EN 300 969

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **GSM**

Title: Cellular Voice & Data Telephone System

Country of registration:

Application no.: Patent no.:

79 768

Countries applicable:

ETSI Deliverable:

Applies broadly to GSM. Notes:

Company name: Motorola Project:

Title: LPC Based Speech Synthesis with Adaptative Pitch Pre-Filter

EPO Country of registration:

Application no.:

Patent no.:

Published A4-0496829

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 06.20

Notes:

Company name: Project:

Motorola

Title: Data Signalling System **EPO**

Country of registration: Application no.:

Patent no.:

EP 0 116 577

Countries applicable:

ETSI Deliverable:

CH, DE, FR, GB, LI, NL, SE

Notes:

Company name: Motorola Project: **GSM**

Title: Selective System Scan for Multibone Radiotelephone Subscriber Units

Country of registration: Application no.: Patent no.:

2029/89

Countries applicable:

ETSI Deliverable:

ΙE

Title: Vector Quantizer Method and Apparatus

Country of registration: GB 9420077.1 Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

GB

Company name: Motorola Project: **GSM**

Digital Speech Coding having improved Vector Excitation Source Title:

Country of registration: 894151 Application no.: Patent no.: Countries applicable: **ETSI Deliverable:** GSM 06.20

Notes:

Motorola Company name: Project:

Radio Arrangement having Two Radios Sharing Circuitry Title:

Country of registration: Application no.: 89 2678 Patent no.:

Countries applicable:

FΙ **ETSI Deliverable:**

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Digital Speech Coding having improved Vector Excitation Source Title: **EPO**

Country of registration:

Application no.: Patent no.:

Published B1-0372008

AT, BE, CH, DE, FR, GB, IT, LU, NL, SE Countries applicable:

ETSI Deliverable: GSM 06.20

Notes:

Motorola GSM

Project: Title: Vector Quantizer Method and Apparatus

Country of registration:

Application no.:

Company name:

Patent no.: Published 2709387 Countries applicable:

ETSI Deliverable: GSM 06.20

Notes:

Motorola Company name: Project:

Title: Colocated Cellular Radiotelephone Systems

Country of registration:

Application no.:

EP0595786

Patent no.: Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 06.20

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Digital Speech Coder Having Improved Vector Excitation Source

DŘ Country of registration: Application no.: DK4381/89

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 06.20; EN 300 969

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Vector Quantizer Method and Application

GB

Country of registration:

Application no.:

Patent no.: GB2282943

Countries applicable: GB

ETSI Deliverable: GSM 06.20; EN 300 969

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: GSM

Method and Apparatus for Controlling a TDM Communication Device Title:

Country of registration:

Application no.:

Patent no.: Published B1-0261127

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE

ETSI Deliverable: GSM 05.01

Notes:

Company name: Motorola Project: GSM

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration:

Application no.:

Patent no.: 86 122 Countries applicable: FΙ

ETSI Deliverable: GSM 05.01

Notes:

Company name: Motorola Project: **GSM**

Title: An Antenna Array for a Cellular RF Communications System.

Country of registration:

Application no.: Patent no.:

P. 28 06 178

Countries applicable:

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project:

Title: Packet Switched Cellular Telephone System

Country of registration:

Application no.:

Patent no.:

Published A2-0 332 818

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable: GSM 05.08

Notes:

Company name: Motorola

Project: Title:

Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: Application no.:

Patent no.: FI105292 Countries applicable:

GSM 06.20; EN 300 969 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **GSM**

Title: Cellular Voice & Data Telephone System NO

Country of registration:

Application no.:

169 810

Patent no.: Countries applicable:

NO **ETSI Deliverable:**

Notes: Applies broadly to GSM.

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration: Application no.: 9403630-8 Patent no.:

Countries applicable: GSM 06.20 **ETSI Deliverable:**

Notes:

Company name:

Motorola **GSM**

Project: Selective Call Paging and Priority Signalling System Title:

Country of registration: NO Application no.: Patent no.: 168 079 Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Notes:

Company name: Motorola Project:

Digital radio communication system and two-way radio Title:

Country of registration: NO

PCT/US 90/01829 Application no.:

Patent no.:

Countries applicable: NO

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Digital Speech Coding having improved Vector Excitation Source

Country of registration: NŌ Application no.: 893202

Patent no.:

Countries applicable: NO

ETSI Deliverable: GSM 06.20.

Notes:

Company name: Motorola Project: **GSM**

Title: Radio Arrangement having Two Radios Sharing Circuitry

Country of registration: NO Application no.: 892094 Patent no.: NO

Countries applicable:

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project:

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration: NO Application no.: 874685 Patent no.: Countries applicable: NO **ETSI Deliverable:** GSM 05.01

Notes:

Company name: Motorola Project:

Title: General Purpose Data Control System

Country of registration:

Application no.: Patent no.: 1 168 620 Countries applicable: IT **ETSI Deliverable:** GSM 04.08

Title: Data Signalling System

Country of registration:

Application no.:

Patent no.: 1 168 619 Countries applicable: GSM 04.08 **ETSI Deliverable:**

Notes:

Company name: Motorola Project: **GSM**

Selective Call Paging and Priority Signalling System Title:

Published 170 085

DK GSM 04.08

DE

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Company name:

Motorola Project: Two-way personal message with extended coverage

Title: Country of registration:

Application no.:

Patent no.: P. 3 382 107.0 Countries applicable: DE GSM 03.02 **ETSI Deliverable:**

Notes:

Company name: Motorola Project:

General Purpose Data Control System Title: NO

Country of registration:

Application no.:

Patent no.: 173 799 Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Notes:

Company name: Motorola Project:

Title: Local PSTN Interconnect with Remote Signal Link Processing DE

Country of registration:

Application no.:

Patent no.: P 4105884.4 Countries applicable:

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project:

Title: Method of operating a radio trans. or Comm. system including central Sta. and a plurality of indi.

Remotesta., a radio trans. o DE

Country of registration:

Application no.:

Patent no.: P 3 787 788 Countries applicable: DE GSM 05.08 **ETSI Deliverable:**

Notes:

Company name: Motorola Project: **GSM**

Title: Selective Call Paging and Priority Signalling System

Country of registration: Application no.:

Patent no.: P 3 382 094.5 Countries applicable: DE **ETSI Deliverable:** GSM 04.08

Title: Vector Quantizer Method and Apparatus

Country of registration: DE

Application no.: P 4492048.2

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 06.20

Notes:

Motorola Company name: Project: **GSM**

TDM Communication System Efficient Spectrum Utilization Title:

Country of registration: DK 6161/87 Application no.: Patent no.: Countries applicable: DK **ETSI Deliverable:** GSM 05.01

Notes:

Company name: Motorola Project:

Selective System Scan for Multizone Radiotelephone Subscriber Units Title:

EPO Country of registration:

Application no.: Patent no.:

Published A2-0 352 786

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL Countries applicable:

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Digital Speech Coder Having Improved Long Term Lag Parameter Determination Title:

Country of registration:

Application no.: Patent no.:

EP0415163

BE, CH, DE, FR, GB, IT, LI, NL Countries applicable:

EPO

ETSI Deliverable: GSM 06.20

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Cellular Voice & Data Telephone System

Country of registration: DK Application no.: 859/86 Patent no.: Countries applicable: DK

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project:

Title: General Purpose Data Control System

Country of registration: Application no.:

DK

Patent no.: Published 129 884

Countries applicable: DK **ETSI Deliverable:** GSM 04.08

Notes:

Company name: Motorola Project: **GSM**

Title: TDMA Communication System with Adaptative Equalization

Country of registration: **EPO**

Application no.: Patent no.:

Published A2-0 343 189

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

Notes: Applies broadly to GSM.

Title: Method of Operating a Radio Trans. or Comm. System including Central Sta. and a plurality of Indi.

Remotesta., a Radio Trans. o

Country of registration:

Application no.:

Patent no.: Published 165 273

Countries applicable:

ETSI Deliverable: Notes:

DK

GSM 05.08

Company name: Motorola Project: **GSM**

Title: Data Signalling System

Country of registration:

Application no.: Patent no.: Published 170 082

Countries applicable: DK **ETSI Deliverable:** GSM 04.08

Notes:

Company name: Motorola Project: **GSM**

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration:

Application no.: P 4491015T1

Patent no.:

Countries applicable: DE **ETSI Deliverable:** GSM 06.20

Notes:

Company name: Motorola Project: **GSM**

Title: Method and Apparatus for Controlling a TDM Communication Device

Country of registration:

Application no.: Patent no.:

Published A2-0412583

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.01

Notes:

Company name: Motorola Project: **GSM**

Title: Method and Apparatus for Controlling a TDM Communication Device **EPO**

Country of registration:

Application no.: Patent no.:

Company name:

Published A1-0538546

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE GSM 05.01

GSM

ETSI Deliverable:

Notes:

Project:

Motorola

Title: Country of registration: Colocated Cellular Radiotelephone Systems

EPO Application no.: 88306565.8 Patent no.: Countries applicable: **EPO ETSI Deliverable: ETR 314**

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: An Antenna Array for a Cellular RF Communications System.

Country of registration: Application no.:

Patent no.: 1 573 560 Countries applicable: GB

ETSI Deliverable:

Notes: Applies broadly to GSM.

Title: Data Signalling System

Country of registration:

Application no.: Patent no.: 169 415 Countries applicable:

ETSI Deliverable:

Company name:

NO GSM 04.08

NO

Notes:

Motorola

Project: Digital Speech Coding having improved Vector Excitation Source Title:

Country of registration: DK Application no.: 4381/89 Patent no.: Countries applicable: DK **ETSI Deliverable:** GSM 06.20

Notes:

Company name: Motorola Project:

Title: Handoff Apparatus and Method with Interference Reduction for Radio System

EPO Country of registration:

Application no.: Patent no.:

Published A2-0255628

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.08

Notes:

Company name: Motorola Project: **GSM**

Title: Radio Arrangement having Two Radios Sharing Circuitry **EPO**

Country of registration:

Application no.: Patent no.:

EP 0 310 876

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration: **EPO**

Application no.:

Published B1 0261 112 Patent no.:

AT, BE, CH, DE, FR, GB, IT, LU, NL, SE Countries applicable:

ETSI Deliverable: GSM 05.01

Notes:

Company name: Motorola Project: GSM

Title: General Purpose Data Control System

Country of registration: GB Application no.: 9422823.6 Patent no.: Countries applicable: GB **ETSI Deliverable:** GSM 06.20

Notes:

Company name: Motorola

Project: Vector Quantizer Method and Application Title:

Country of registration:

Application no.: P4447647 Patent no.: Countries applicable: DE

ETSI Deliverable: GSM 06.20; EN 300 969

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Vector Quantizer Method and Application

Country of registration:

Application no.:

Patent no.: P4492048 Countries applicable: DF

ETSI Deliverable:

GSM 06.20: EN 300 969

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: GSM

Title: Country of registration: Trunked Communication System with Nationwide Roaming Capability

Application no.:

Patent no.:

Published A1-0 398 911 AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

Countries applicable: **ETSI Deliverable:**

Notes:

Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Application

Country of registration:

Application no.: Patent no.:

FR9410202

Countries applicable:

ETSI Deliverable: GSM 06.20; EN 300 969

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: GSM

Vector Quantizer Method and Application Title:

Country of registration:

Application no.: Patent no.:

FR9410203

Countries applicable:

GSM 06.20; EN 300 969

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Vector Quantizer Method and Application Title:

Country of registration:

Application no.:

FR

FR

Patent no.: FR9403414 Countries applicable: FR

GSM 06.20; EN 300 969 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **GSM**

Digital Speech Coder Having Improved Long Term Predictor Title: **EPO**

Country of registration:

Application no.: Patent no.:

EP0450064

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE

ETSI Deliverable: EN 300 969; EN 300 726; EN 301 704

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Title: Radio Arrangement having Two Radios Sharing Circuitry

Country of registration: Application no.: 1852/89 Patent no.:

Countries applicable: **ETSI Deliverable:**

Applies broadly to GSM. Notes:

Motorola Company name: Project:

General Purpose Data Control System Title:

Country of registration: **EPO**

Application no.:

Patent no.: EP B1 0115 507

CH, DE, FR, GB, LI, NL, SE Countries applicable:

ETSI Deliverable: GSM 04.08

Notes:

Company name: Motorola Project: **GSM**

Title: Error Protection for Multi-Mode Speech Coders

Country of registration: **EPO**

Application no.:

Patent no.: Published A1-0556354

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 06.20

Notes:

Company name: Motorola Project: **GSM**

Title: Cellular Voice & Data Telephone System **EPO**

Country of registration:

Application no.: Patent no.:

EP B1 0188 554

AT, BE, CH, DE, FR, GB, IT, NL, SE Countries applicable:

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Two-way personal message with extended coverage **EPO**

Country of registration:

Application no.:

Patent no.: EP B1 0179 898

AT, BE, CH, FR, GB, IT, LU, NL, SE Countries applicable:

ETSI Deliverable: GSM 03.02

Notes:

Company name: Motorola Project:

Title: Cellular Radio Telephone with Dropped Call Protection

Country of registration:

Application no.:

Published A2-0 325 713 Patent no.:

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable: GSM 04.08

Notes:

Company name: Motorola Project:

Title: Digital Radio Communication System and Two-Way Radio

Country of registration: **EPO**

Application no.: 90 906636.7 Patent no.:

Countries applicable: **ETSI Deliverable:**

EPO

Notes: Applies broadly to GSM.

Title: Selective Call Paging and Priority Signalling System

Country of registration:

Application no.:

Patent no.: EP B1 0115 499 Countries applicable: FR, GB, NL, SE **ETSI Deliverable:** GSM 04.08

Notes:

Motorola Company name: Project: **GSIV**

Title: Vector Quantizer Method and Apparatus

EPO

Country of registration: SF 9404086 Application no.: Patent no.: Countries applicable: SE **ETSI Deliverable:** GSM 06.20

Notes:

Motorola Company name: Project:

Title: TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase

> Variation and Multipath Fading **EPO**

Country of registration:

Application no.:

Patent no.: Published A2-0 318 686

Countries applicable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Method of Operating a Radio Trans. or Comm. System including Central Sta. and a plurality of Indi.

Remotesta., a Radio Trans. o

Country of registration:

Application no.: Patent no.:

EP B1 0269 643

Countries applicable:

AT, BE, CH, FR, GB, IT, LI, LU, NL, SE

ETSI Deliverable:

Notes:

GSM 05.08

Motorola

Company name: Project: **GSM**

Title: Clock rate matching in independent networks

Country of registration:

Application no.:

HK 1000621

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **GSM**

Title: Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

2987935

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

216677

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Clock rate matching in independent networks

Country of registration: Application no.:

100871

Countries applicable: **ETSI Deliverable:**

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Clock rate matching in independent networks

185240

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

188/1997

1258355

Project: Title:

GSM Radio arrangement having two radios sharing circuitry

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: TDM communication system for efficient spectrum utilization

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

1265269

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

TDM communication system for efficient spectrum utilization

Country of registration:

Application no.: Patent no.:

392/1993

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GSM TDM communication system for efficient spectrum utilization

Country of registration:

Application no.:

Patent no.:

81835

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola GSM

Title:

TDM communication system for efficient spectrum utilization

Country of registration:

Application no.:

JΡ

Patent no.:

1857832

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

TDM communication system for efficient spectrum utilization

Country of registration:

Application no.: Patent no.:

2139050

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

2976907

Project: Title:

GSM

Country of registration:

TDM communication system for efficient spectrum utilization JP

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

88708

Title:

TDM communication system for efficient spectrum utilization

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

TDM communication system for efficient spectrum utilization

Country of registration:

US

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

4,754,450

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola

2100753

Project:

GSN

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

407812

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

1001801

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

9205605-9

Project: Title:

GSM Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

92101024.9

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Notes:

Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

Countries applicable:

173808

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSN

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

Pending 933673

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

1767

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

P4290392

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Pending P4244920.0

Project: Title:

GSM Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

Countries applicable:

B-2 269 300

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

ΑU

Countries applicable:

ETSI Deliverable:

658402

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title: Country of registration: Digital radio communication system and two way radio

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

HK1005767

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.:

Patent no.: Countries applicable: 6198

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Cellular radiotelephone system with dropped call protection Title:

Country of registration:

Application no.: Patent no.:

4,811,380

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Digital radio communication system and two way radio

Application no.: Patent no.:

AR 247461

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Digital radio communication system and two way radio

Application no.:

Patent no.: Countries applicable: PI9007329-0

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration:

BR

Application no.:

Patent no.: Countries applicable: PI9007467-0

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital radio communication system and two way radio

Country of registration: Application no.:

Patent no.: Countries applicable: 23765

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Digital radio communication system and two way radio

Country of registration:

Application no.: Patent no.:

EP0470126

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.:

EP0470126

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Radio arrangement having two radios sharing circuitry

613970

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.:

Countries applicable:

EP0470126

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

Pending 99101466.5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital radio communication system and two way radio

Country of registration: Application no.:

Patent no.:

180085

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Digital radio communication system and two way radio

Country of registration:

Application no.:

EP0470126

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.:

2626246

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Digital radio communication system and two way radio

Application no.: Patent no.:

91455

Countries applicable:

ETSI Deliverable:

Notes:

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Digital radio communication system and two way radio

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

174132

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Company name: Motorola

Project: Title:

Notes:

GSM Digital radio communication system and two way radio

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

EP0470126

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital radio communication system and two way radio

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

EP0470126

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

EP0470126

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.:

5,127,100

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital radio communication system and two way radio

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

P69029035.7

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration:

Radio arrangement having two radios sharing circuitry

Application no.:

Patent no.:

1307828

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

179935

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Clock rate matching in independent networks

Country of registration: Application no.:

Patent no.:

241673

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.: Countries applicable: 2145466

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

92/0950

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

516082

Country of registration:

Clock rate matching in independent networks

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration: Application no.:

TW

Patent no.: Countries applicable:

NI-62506

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Clock rate matching in independent networks

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Published 19291

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSN

Title:

Clock rate matching in independent networks

Country of registration: Application no.:

Patent no.: Countries applicable: 25708

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Clock rate matching in independent networks

Country of registration:

Application no.:

Patent no.:

40009

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Cellular radiotelephone system with dropped call protection

Country of registration:

Patent no.:

Application no.:

2586631

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

5,036,531

Project: Title:

GSM

Country of registration:

Local PSTN interconnect with remote signal link processing

Application no.:

US

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.:

Patent no.:

4,893,327

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Radio arrangement having two radios sharing circuitry

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

1941842

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Radio arrangement having two radios sharing circuitry

Country of registration: Application no.:

Patent no.:

Countries applicable:

112435

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Radio arrangement having two radios sharing circuitry

Country of registration:

Application no.:

Patent no.: Countries applicable: 9790287-8

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Radio arrangement having two radios sharing circuitry

Country of registration:

Application no.: Patent no.:

5,029,233

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

ATE177280

Project: Title:

GSM Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

EP0325713

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Notes:

Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.:

Patent no.:

Countries applicable:

1280466

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

Title: Cellular radiotelephone system with dropped call protection

Country of registration:

Application no.:

Patent no.: Countries applicable: Pending 98108616.8

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Country of registration:

Clock rate matching in independent networks

Application no.:

Patent no.: Countries applicable: 127995

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Clock rate matching in independent networks

Country of registration:

Patent no.:

Application no.:

5,502,752

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

1782034

Project: Title:

GSM Two way personal message system with extended coverage

Country of registration:

JP

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

MY103541A

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Company name: Motorola

Project: **GSM**

Title: Country of registration: General purpose data control system

Application no.:

Patent no.:

153264

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Motorola **GSM**

Project: Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

47.215

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola GSM

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

4,591,851

General purpose data control system

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola

Project: Title:

GSM Selective call, paging and priority signalling system

Country of registration:

Application no.:

Patent no.:

Company name:

Countries applicable: **ETSI Deliverable:**

Notes:

559557

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

1209212

Project: Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Country of registration:

Application no.:

Patent no.:

1802491

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Selective call, paging and priority signalling system

Selective call, paging and priority signalling system

Selective call, paging and priority signalling system

Country of registration:

Application no.: Patent no.:

US

Countries applicable:

ETSI Deliverable: Notes:

4,517,561

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Motorola Project: **GSM**

Title: TDMA communications system with adaptive equalization

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Published 2001-257632 (09/21/01)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Title:

GSM Two way personal message system with extended coverage

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:** Notes:

506/1990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

General purpose data control system Title:

SG

9090304-8

Country of registration:

Application no.: Patent no.:

68988

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM** Two way personal message system with extended coverage

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Two way personal message system with extended coverage

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project:

Method and apparatus for controlling a TDM communication device Title:

Country of registration: Application no.: Patent no.:

Countries applicable:

HK1000817

4,644,351

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

4,742,514

Project:

GSM

Title:

Method and apparatus for controlling a TDM communication device

Application no.:

Country of registration:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Method of operating a radio transmission or communication system including a central station and a plurality of individual remote stations, a radio transmission or communication system, and a remote station

Country of registration:

Application no.: Patent no.:

9790338-9

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: **GSM**

Title: Method of operating a radio transmission or communication system including a central station and a

plurality of individual remote stations, a radio transmission or communication system, and a remote station

Country of registration:

Application no.:

Patent no.: Countries applicable: 4,872,204

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Notes:

TDMA communications system with adaptive equalization

Country of registration:

Application no.:

Patent no.: 187-1997

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Trunked communication system with nationwide roaming capability

Country of registration:

Application no.:

IN

Patent no.:

183937

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Two way personal message system with extended coverage

Country of registration:

Application no.:

CA

Patent no.: Countries applicable: 1231383

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM CA

Title:

Data signalling system

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

1217234

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Cellular voice and data radiotelephone system

Country of registration:

Application no.:

Patent no.:

577742

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Cellular voice and data radiotelephone system

Country of registration:

Patent no.:

Application no.:

1230648

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Cellular voice and data radiotelephone system CN

Application no.: Patent no.:

10981

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Cellular voice and data radiotelephone system

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

59947

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Cellular voice and data radiotelephone system

Country of registration:

US

Application no.:

Patent no.: Countries applicable:

4,654,867

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Handoff apparatus and method with interference reduction for a radio system

Country of registration: Application no.:

Patent no.:

1238689

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project:

GSM

Title:

Country of registration: Application no.:

Handoff apparatus and method with interference reduction for a radio system

4,696,027

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Data signalling system Title:

Country of registration:

Application no.:

Patent no.:

4,636,791

US

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: General purpose data control system

Country of registration: Application no.:

27845

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Data signalling system

Country of registration: Application no.:

ΑU

567436

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

General purpose data control system Title:

Country of registration:

Application no.:

Patent no.:

Notes:

JP 1805415

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Data signalling system

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

68976

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Data signalling system

Country of registration:

Application no.:

JΡ

Patent no.:

2141020

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Data signalling system

Country of registration:

Application no.: Patent no.:

KR 28478

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Data signalling system

MY-100860-A

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Data signalling system

Country of registration:

Application no.:

MX

Patent no.: Countries applicable:

ETSI Deliverable:

153263

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Notes:

Notes:

GSM Data signalling system

Title: Country of registration:

US

Application no.:

Company name:

Patent no.:

Countries applicable: **ETSI Deliverable:**

4,590,473

Motorola

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Motorola

Project:

GSM

Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

559854

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

General purpose data control system

Country of registration:

Application no.:

Patent no.:

1214219

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

TDMA communications system with adaptive equalization

Country of registration:

Application no.: Patent no.:

106351

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Data signalling system

Country of registration:

AR

233421

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Colocated cellular radiotelephone systems

Application no.:

Patent no.:

1282838

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Trunked communication system with nationwide roaming capability

Country of registration:

US

Application no.:

Patent no.:

4,833,701

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

1297162

Project:

GSM

Title:

Selective system scan for multizone radiotelephone subscriber units

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Selective system scan for multizone radiotelephone subscriber units

Application no.:

Patent no.:

3030676

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Selective system scan for multizone radiotelephone subscriber units

Country of registration:

Application no.: Patent no.:

349/1997

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

2133811

Project: Title:

Notes:

GSM

Country of registration:

Selective system scan for multizone radiotelephone subscriber units

Application no.: Patent no.:

JP

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Selective system scan for multizone radiotelephone subscriber units

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

166679

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Notes:

Selective system scan for multizone radiotelephone subscriber units

Country of registration:

SG

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

9790285-2

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GSM Selective system scan for multizone radiotelephone subscriber units

Country of registration:

Application no.:

Patent no.:

4,905,301

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Title:

GSM TDMA communications system with adaptive equalization

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Published 10-28084 (01/27/98)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Colocated cellular radiotelephone systems Title:

Country of registration:

Application no.:

Patent no.:

EP 0 595 786

Motorola

5,253,269

Countries applicable:

BE, CH, FR, GB, IT, LU, NL, SE

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

GSM

Title: Country of registration: Delta-coded lag information for use in a speech coder

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Colocated cellular radiotelephone systems

Country of registration: Application no.:

Patent no.: Countries applicable:

P3856283.9

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Colocated cellular radiotelephone systems Title:

Country of registration:

Application no.:

Patent no.:

86345

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.:

Patent no.:

97691

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.:

Patent no.: Countries applicable: 2623725

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.: Patent no.:

103032

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Colocated cellular radiotelephone systems

Application no.: Patent no.:

165117

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

166684

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Colocated cellular radiotelephone systems

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Published 32768

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Colocated cellular radiotelephone systems AT

Country of registration:

Application no.:

Patent no.:

ATE174745

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Packet-switched cellular telephone system

Country of registration:

Application no.: Patent no.:

68929365.8

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

TDMA communications system with adaptive equalization

Country of registration:

Application no.:

Patent no.:

9790292-8

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

4,852,090

Motorola

Project: Title:

GSM

Country of registration:

TDMA communications system with adaptive equalization US

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM** Title:

TDMA radio system employing BPSK synchronization for QPSK signals subject to random phase

variation and multipath fading

Country of registration:

Application no.:

Patent no.: Countries applicable:

1294073

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

TDMA radio system employing BPSK synchronization for QPSK signals subject to random phase variation and multipath fading

Country of registration:

Application no.: Patent no.:

HK

Countries applicable: **ETSI Deliverable:**

194/1997

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

417

Company name:

Motorola

Project:

Notes:

GSM

Title:

TDMA radio system employing BPSK synchronization for QPSK signals subject to random phase

variation and multipath fading

Country of registration:

Application no.:

JΡ 2990694

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

9790289-4

Title:

TDMA radio system employing BPSK synchronization for QPSK signals subject to random phase

variation and multipath fading

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

TDMA radio system employing BPSK synchronization for QPSK signals subject to random phase

variation and multipath fading

Country of registration:

Application no.:

Patent no.:

4,873,683

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Notes:

Motorola GSM

Title:

Packet-switched cellular telephone system

Country of registration:

Application no.: Patent no.:

EP-0746172

Countries applicable:

ETSI Deliverable:

BE, CH, ES, FR, GB, GR, IT, NL, SE

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola Project: **GSM**

Title: Country of registration:

Application no.:

Patent no.:

Trunked communication system with nationwide roaming capability

Countries applicable:

62183

ETSI Deliverable:

Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Packet-switched cellular telephone system

Country of registration: Application no.:

FI

Patent no.: Countries applicable:

ETSI Deliverable:

101671

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSN

Title:

Trunked communication system with nationwide roaming capability

Country of registration:

Application no.:

Patent no.:

2757515

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Packet-switched cellular telephone system

Country of registration:

Application no.:

Patent no.: Countries applicable: 2079947

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Packet-switched cellular telephone system

Country of registration:

Application no.: Patent no.:

4,887,265

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

618068

Country of registration:

Trunked communication system with nationwide roaming capability

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Trunked communication system with nationwide roaming capability

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

P18807880-9

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Trunked communication system with nationwide roaming capability

Country of registration:

CN

Application no.: Patent no.:

11559

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

HK 1000758

Project:

GSN

Title:

Trunked communication system with nationwide roaming capability

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital radio communication system and two way radio

2053271

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Trunked communication system with nationwide roaming capability

Country of registration:

Application no.:

175516

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Colocated cellular radiotelephone systems US

4,799,253

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Notes:

Packet-switched cellular telephone system

Country of registration:

Application no.:

Patent no.:

1309480

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration:

US

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

6,070,089

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

QUALITY ΝZ

Country of registration:

Application no.: Patent no.:

Countries applicable:

234180

ETSI Deliverable: Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project: Title:

Motorola **GSM**

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH QUALITY TW

Country of registration:

Application no.: Patent no.:

NI-43676

HK

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Non-tandem coding operation

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

Pending 98108895.2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration:

Non-tandem coding operation

Application no.:

Patent no.:

2,316,277

Countries applicable: **ETSI Deliverable:**

Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Company name: Motorola

Project: Title:

GSM Provision of speech coder gain information using multiple coding modes

Country of registration:

Application no.:

US

Patent no.:

Countries applicable:

5.657.418

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Motorola

Pending 9807369-9

Project: Title:

Apparatus and method for rate determination in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration:

Application no.:

Patent no.:

Pending 9913197-8

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola GSM

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH **QUALITY**

Country of registration: FPO

Application no.: Patent no.:

EP0484339 FR, GB

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

GSM

Title: DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY KR

86758

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration: Method and apparatus for control of vocoder bypass utilizing inband signaling

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Country of registration:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Pending 10-2001-7002219

Pending 10-2001-7002216

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

Title:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Pending 2000-567037

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM Title: Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration:

Application no.:

Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Method and apparatus for control of vocoder bypass utilizing inband signaling

Company name:

Project:

Title:

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Pending 99942127.4

Motorola

Motorola

GSM

Pending 2000-567036

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project: Title:

GSM Digital speech decoder having a postfilter with reduced spectral distortion

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

69033011.1

Motorola

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Project: Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

Motorola **GSM**

Method and apparatus for control of vocoder bypass utilizing inband signaling

6,091,969

ETSI Deliverable: Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Company name: Motorola

Project: **GSM** Digital speech coder having optimized signal energy parameters

Title: Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

174790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Digital speech decoder having a postfilter with reduced spectral distortion Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

JP

3158434

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GSM Digital speech decoder having a postfilter with reduced spectral distortion

Country of registration:

Application no.:

Patent no.:

5,241,650

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital speech coder having optimized signal energy parameters

Country of registration:

Application no.:

255383

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital speech coder having optimized signal energy parameters

Country of registration:

ΑU

Patent no.:

Application no.:

652348

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

9007751

Country of registration:

Digital speech coder having optimized signal energy parameters

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title: Country of registration: Digital speech coder having optimized signal energy parameters

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

2065731

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration: Application no.:

NZ

247722

Patent no.:

ETSI Deliverable:

Countries applicable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital speech coder having optimized signal energy parameters

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

96820

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH **QUALITY**

Country of registration:

Application no.:

MX

ΝZ

235702

175270

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola Project: **GSM**

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Motorola

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Digital speech coder having optimized signal energy parameters

Digital speech coder having optimized signal energy parameters

NI-46393

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Apparatus and method for rate determination in a communication system

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Pending 2281696

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Title: DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH **QUALITY**

DF

Motorola

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

P69032026.4

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration:

Application no.:

Patent no.:

94119

IL

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY JΡ

2876785

Motorola

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Apparatus and method for rate determination in a communication system **EPO**

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Pending 98901181.2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

95753

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Motorola

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM

Digital speech coder having optimized signal energy parameters

Digital speech coder having optimized signal energy parameters

5.490.230

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Motorola

Title:

Apparatus and method for rate determination in a communication system KR

Country of registration:

Application no.:

Patent no.: Countries applicable: 10-333464

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Apparatus and method for rate determination in a communication system

Country of registration:

Application no.:

Patent no.:

6,104,993

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Apparatus and method for voice activity detection in a communication system

Company name:

Project:

Motorola GSM

6,453,291

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM** Method and apparatus for suppressing noise in a communication system

2203917

Motorola

Pending 970170

GSM

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

GSM

Motorola

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Method and apparatus for suppressing noise in a communication system

Method and apparatus for suppressing noise in a communication system

ΑU 689403

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

Title:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration: Application no.:

Patent no.:

Countries applicable:

Pending 99935888.0

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

5,528,723

Project:

GSM

Title:

Digital speech coder and method utilizing harmonic noise weighting

Country of registration:

Application no.:

Patent no.:

ETSI Deliverable:

Notes:

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

ZL9619426.2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Speech encoder using a soft interpolation decision for spectral parameters Multi-segment vector quantizer

for a speech coder suitable for use in a radiotelephone

Digital radio communication system and two way radio

Country of registration:

Application no.: Patent no.:

JP

Countries applicable:

ETSI Deliverable:

Notes:

3231807

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Motorola **GSM**

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AU 630447

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration:

Application no.: Patent no.:

AU

Countries applicable:

ETSI Deliverable:

Notes:

638462

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration: Application no.:

AR

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

254906

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY

Country of registration:

Application no.:

CN

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

90103020.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

DIGITAL SPEECH CODER WITH VECTOR EXCITATION SOURCE HAVING IMPROVED SPEECH

QUALITY CA

Country of registration:

Application no.: Patent no.:

2060310

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Method for communications between mobile units using single and multiple switching center

configurations

5,608,779

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola GSM

Title:

Country of registration:

Application no.:

Patent no.:

Method and apparatus for suppressing noise in a communication system

Pending 2122/DEL/1996

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Method and apparatus for control of vocoder bypass utilizing inband signaling

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Pending 9913200-1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

5,659,622

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola **GSM**

Project:

Title: Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Pending 34157

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Pending 9701659-6

Project: Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

2169992

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Method and apparatus for suppressing noise in a communication system

Country of registration: Application no.:

286719

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Apparatus and method for rate determination in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Published WO98/38631

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Company name: Motorola

Project: Title:

Notes:

GSM Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

119226

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Apparatus and method for rate determination in a communication system

Country of registration: Application no.:

Countries applicable:

Patent no.:

Pending 130615

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable: 219255

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

2313266

HK1005112

Project: Title:

GSM

Country of registration:

Method and apparatus for suppressing noise in a communication system

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Notes:

GSM Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Pending 19681070.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Pending 9612357

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Pending 972852

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Digital speech coder having optimized signal energy parameters

Country of registration:

Application no.:

Published 1051099

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.:

Patent no.:

Published 10-513030

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Digital speech coder having optimized signal energy parameters

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Published (A) 5-502517

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Notes:

Motorola **GSM**

Title:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

202237

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder having improved vector excitation source

Country of registration: Application no.:

SG

Patent no.:

Countries applicable: **ETSI Deliverable:**

9602132-4

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

US

Title:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.:

5,434,947

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Apparatus and method for rate determination in a communication system

Country of registration: Application no.:

Patent no.:

Pending 98802467.5

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: **GSM**

Title: Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.:

Patent no.:

5,570,453

Countries applicable:

ETSI Deliverable:

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Notes:

Motorola **GSM**

Title: Country of registration: Digital speech coder having improved vector excitation source

Application no.:

Patent no.:

246631

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Notes:

Motorola **GSM**

Country of registration:

Digital speech coder having improved vector excitation source KR

Application no.:

Patent no.:

65342

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.: Countries applicable: EP-B1-0 372 008

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.:

HK1001269

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Digital speech coder having improved vector excitation source

Company name:

Project:

Motorola **GSM**

Title: Country of registration:

Application no.:

Patent no.:

1279404

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Digital speech decoder having a postfilter with reduced spectral distortion

Country of registration:

Application no.: Patent no.:

FP0570362

EPO

Countries applicable:

ETSI Deliverable:

AT, CH, ES, FR, GB, IT, LU, NL, SE

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

174478

Title: Country of registration: Digital speech coder having improved vector excitation source

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

185993

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Digital speech coder having improved vector excitation source

Application no.:

Patent no.:

Countries applicable:

88465

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital speech coder having improved vector excitation source

Country of registration: Application no.:

Patent no.: Countries applicable: 2523031

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

2820107

Project: Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.:

EP-B1-0 372 008

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

9602558-0

Project: Title:

GSM

Country of registration:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Speech encoder using a soft interpolation decision for spectral parameters Multi-segment vector quantizer

for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.:

Patent no.: Countries applicable:

5,265,219

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Application no.:

ΑU

Patent no.:

668817

ETSI Deliverable:

Countries applicable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project: Title:

GSM Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.:

Patent no.:

678953

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.: Patent no.:

PI9404725-1

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.: Patent no.:

2135629

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

94190277.3

Project: Title:

GSM

Country of registration:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Published CN1109697A

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

JP

Patent no.:

Application no.:

3236592

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Pending 9402178

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

3070955

Project: Title:

Notes:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder having improved vector excitation source

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola Project: **GSM**

Title:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

Country of registration:

Application no.:

5,675,702

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone US

5,826,224

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

GSM

Title: Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.:

ΑU

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

669788

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola

BR

Title: Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder having improved vector excitation source

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

9404230-6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.: Patent no.:

2132006

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Motorola **GSM**

Method for generating a spectral noise weighting filter for use in a speech coder Digital speech coder

having improved vector excitation source

Country of registration:

Application no.: Patent no.:

94102142.4

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Digital speech coder having improved vector excitation source CN

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Motorola

3042886

89100090.9

Multi-segment vector quantizer for a speech coder suitable for use in a radiotelephone

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Multiple control slot TDM/FDM communication system Title:

Country of registration:

Application no.:

EPO

Patent no.: Countries applicable: EP0454776

BE, FR, GB, NL, SE

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Method for positioning gsm mobile station

Country of registration:

US

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

6,212,391

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Motorola

Project:

GSM CA

Title:

Wide area coverage radio communication system and method

Country of registration:

Application no.:

Patent no.:

1219915

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Wide area coverage radio communication system and method

4,578,815

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title: Country of registration:

Networked cellular radiotelephone systems

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

4,737,978

1266884

Project: Title:

GSM Networked cellular radiotelephone systems

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

70582

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Notes:

Method for positioning gsm mobile station

Country of registration: Application no.:

Patent no.:

Countries applicable:

Pending 99956911.4

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

8807414

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Multiple control slot TDM/FDM communication system

Country of registration:

Application no.:

626642

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Multiple control slot TDM/FDM communication system

Country of registration:

Application no.:

Patent no.:

P68926123.3

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Multiple control slot TDM/FDM communication system

Application no.:

IL 92548

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

Title:

Country of registration:

Multiple control slot TDM/FDM communication system

Application no.:

Patent no.:

2777841

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Notes:

Multiple control slot TDM/FDM communication system

Country of registration:

SG

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

9601763-7

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Multiple control slot TDM/FDM communication system

Country of registration: Application no.:

Patent no.:

4,942,570

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital speech decoder having a postfilter with reduced spectral distortion

Country of registration:

Application no.:

Patent no.: Countries applicable: 635342

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital speech decoder having a postfilter with reduced spectral distortion

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

ZL90108435

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

2005507-3

Project: Title:

Notes:

Title:

GSM

Country of registration:

Multiple control slot TDM/FDM communication system

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola Project:

GSM

Country of registration:

Application no.:

Digital speech coder having improved vector excitation source

Patent no.:

Countries applicable:

4,896,361

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Error protection for multimode speech coders

Country of registration:

US

Application no.:

Patent no.:

Countries applicable:

5,642,368

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Multiple control slot TDM/FDM communication system

Country of registration: Application no.:

Patent no.:

41297

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

Digital speech coder having improved long term lag parameter determination

Country of registration:

Application no.: Patent no.:

Countries applicable:

5,097,508

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital speech coder having improved sub-sample resolution long-term predictor

Country of registration:

Application no.:

2037899

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM Digital speech coder having improved sub-sample resolution long-term predictor

27021

Country of registration:

CN

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

634795

Title: Country of registration: Digital speech coder having improved sub-sample resolution long-term predictor

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Digital speech coder having improved vector excitation source

Country of registration:

US

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

4,817,157

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Motorola

Project:

GSM

Title:

Digital speech coder having improved sub-sample resolution long-term predictor

Country of registration: Application no.:

Patent no.: Countries applicable: 3268360

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

GSM

Country of registration:

Digital speech coder having improved sub-sample resolution long-term predictor

Application no.:

Patent no.: Countries applicable: 167644

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **GSM**

Title:

Digital speech coder having improved vector excitation source

Country of registration:

Application no.: Patent no.:

168558

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

9602783-4

Project: Title:

Notes:

GSM

Country of registration:

Digital speech coder having improved sub-sample resolution long-term predictor

Application no.:

SG

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Motorola **GSM**

5,359,696

Title:

Digital speech coder having improved sub-sample resolution long-term predictor

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola **GSM**

Project: Title:

Improved Energy Matching

Country of registration: Application no.:

US

Patent no.:

Countries applicable:

ETSI Deliverable:

5,692,101

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Motorola Project: **GSM**

Title: Digital speech coder having improved long term lag parameter determination

Country of registration:

Application no.:

Patent no.: Countries applicable: 2021508

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola GSM

Project: Title:

LPC BASED SPEECH SYNTHESIS WITH ADAPTIVE PITCH PREFILTER

Country of registration:

Application no.:

644119

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

NEC Corporation

Project:

Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS) Title:

interface; Data Link (DL) layer specification"

Country of registration:

Application no.:

Patent no.:

Re. 36,309

Countries applicable: **ETSI Deliverable:**

US

ETS 300 938 (GSM 04.06, V5.2.1)

Notes:

This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) of Sophia Antipolis France. The SIGNATORY notifies ETSI that it is the proprietor of the IPR listed in annex I (the IPR) and informs ETSI that it believes that the IPR may be considered ESSENTIAL to the standards listed in annex II (the STANDARD). The SIGNATORY hereby declares that it is prepared to grant irrevocable licenses under the IPR on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, set out in annex III, in respect of the STANDARD, to the extent that the IPR remains ESSENTIAL. The construction, validity and performance of this DECLARATION shall be governed by the laws of France. Signed for and on behalf of the SIGNATORY (Naoki Kyomoto, General

Manager IP, Division NEC Corporation).

Company name:

NEC Corporation

Project: Title:

Country of registration:

Digital cellular telecommunications system (Phase 2); Radio subsystem synchronization

Application no.:

0 318 033 Patent no.: Countries applicable: DE, GB, SE

ETSI Deliverable:

ETS 300 579 (GSM 05.10, V4.9.0)

Notes:

This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) of Sophia Antipolis France. The SIGNATORY notifies ETSI that it is the proprietor of the IPR listed in annex I (the IPR) and informs ETSI that it believes that the IPR may be considered ESSENTIAL to the standards listed in annex II (the STANDARD). The SIGNATORY hereby declares that it is prepared to grant irrevocable licenses under the IPR on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, set out in annex III, in respect of the STANDARD, to the extent that the IPR remains ESSENTIAL. The construction, validity and performance of this DECLARATION shall be governed by the laws of France. Signed for and on behalf of the SIGNATORY (Naoki Kyomoto, General

Manager IP, Division NEC Corporation).

Company name:

NEC Corporation

Project: Title:

GSM

Country of registration:

Method and Apparatus for Encoding Voice Signals

Application no.:

US

Patent no.: Countries applicable: **ETSI Deliverable:**

4 716 592 US

Notes:

GSM 06.60

Relevant to prETS 300 726 "Digital cellular telecommunications system; Enhanced Full Rate (EFR)

speech transcoding"

Company name: NEC Corporation

Project: GSM

Title: Speech Coder Country of registration: EPO 91102440.4 Patent no.:

Countries applicable: DE, FR, GB ETSI Deliverable: GSM 06.20

Notes: Relevant to ETS 300 581-2 "European digital cellular telecommunications system; Half rate speech. Part

2 : Half rate speech transcoding"

Company name: NEC Corporation Project: SSM

Title: Speech Coder

Country of registration: US Application no.:

Patent no.: 5 208 862
Countries applicable: US
ETSI Deliverable: GSM 06.20

Notes: Relevant to ETS 300 581-2 "European digital cellular telecommunications system; Half rate speech. Part

2 : Half rate speech transcoding'

Company name: **NEC Corporation**

Project: GSM

Title: Speech Parameter Coding Method and Apparatus

Country of registration: EPO 92103179
Patent no.: 0504 627 A2
Countries applicable: DE, FR, GB
ETSI Deliverable: GSM 06.20

Notes: Relevant to ETS 300 581-2 "European digital cellular telecommunications system; Half rate speech. Part

2: Half rate speech transcoding'

Company name: NEC Corporation

Project: GSM

Title: Speech Parameter Coding Method and Apparatus

Country of registration:

Application no.:

Patent no.: 5 487 128
Countries applicable: US
ETSI Deliverable: GSM 06.20

Notes: Relevant to ETS 300 581-2 "European digital cellular telecommunications system; Half rate speech. Part

2 : Half rate speech transcoding"

Company name: Nokia
Project: GSM

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: FI
Application no.: FI 941652
Patent no.: FI 95984

Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Company name: Nokia
Project: GSM

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: AU
Application no.: AU 2778795
Patent no.: AU 9527787

Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Company name: Nokia Project: GSM

Title: Vector adaptive predictive coder for speech and audio

Country of registration: JP
Application no.: 84973/1988

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60, GSM 06.20

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: EPO Application no.: EP 95915211.7 Patent no.: EP 754395

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.60

Notes:

Nokia Company name: Project: **GSM**

Data Transmission Method In A TDMA Mobile Communication System Title:

Country of registration: PCT PCT/FI95/00526 Application no.: Patent no.: WO 9610320

Countries applicable:

ETSI Deliverable: GSM 03.34

Notes:

Company name: Nokia Project:

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: Application no.: FI 944487 Patent no.: FI 96557

Countries applicable:

ETSI Deliverable: GSM 03.34

Notes:

Company name: Nokia Project: GSM

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: PCT

Application no.: PCT/FI95/00191 Patent no.: WO 9528063

Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Company name: Nokia Project: **GSM**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.: 9602957

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: GSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: NO NO 972629 Application no.: NO 9702629 Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 04.21

Notes:

Company name: Nokia Project: GSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: FI FI 950116 Application no.: Patent no.: FI 98586 Countries applicable: FΙ **ETSI Deliverable:** GSM 03.60

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: PČT

PCT/FI95/00673 Application no.: Patent no.: WO 9618248 Countries applicable: GSM 04.21

ETSI Deliverable: Notes:

Nokia Company name:

Project: **GSM** High-Speed Data Transmission In Mobile Communication Networks Title:

Country of registration: FI 945817 Application no.: Patent no.: FI 97187

Countries applicable:

ETSI Deliverable: GSM 04.21

Notes:

Company name: Nokia Project:

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration:

JP 8-504136 Application no.: Patent no.: JP 9506491

Countries applicable:

ETSI Deliverable: GSM 05.03

Notes:

Company name: Nokia Project: GSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: **EPO**

Application no.: EP 95924336.1 Patent no.: EP 722634

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: GSM 05.03

Notes:

Company name: Nokia Project: GSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: Application no.: NO 960979 NO 9600979 Patent no.: Countries applicable:

ETSI Deliverable:

GSM 05.03

Notes:

Company name: Nokia Project: GSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: ΑU

Application no.: AU 28887/95 AU 9528887 Patent no.: Countries applicable: **ETSI Deliverable:** GSM 05.03

Notes:

Company name: Nokia Project: **GSM**

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system Country of registration: NO Application no.: NO 960118 Patent no.: NO 9600118

Countries applicable:

ETSI Deliverable: GSM 05.02, GSM 05.08

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration:

Application no.: FI 943302 Patent no.: FI 96650 Countries applicable:

ETSI Deliverable: GSM 05.03

Notes:

Company name: Nokia Project: **GSM**

Speech synthesiser Title: Country of registration: PCT PCT/GB96/01428 Application no.: Patent no.: WO 9700516

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: GB 965123.0 Application no.: Patent no.: GB 2299001

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: SE Application no.: 9600918-8

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: GSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.: PCT/CA96/00135 Patent no.: WO 9628810 Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: GSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ZA Application no.: 96/1913 ZA 96/1913 Patent no.: Countries applicable: **ETSI Deliverable:** GSM 6.60

Notes:

Company name: Nokia Project:

Title: Predictive split-matrix quantization of spectral parameters for efficient coding of speech

Country of registration: **PCT**

PCT/CA96/00202 Application no.: Patent no.: WO 9631873

Countries applicable:

ETSI Deliverable: GSM 6.60

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

Country of registration: JP

Application no.: JP 7-529392 Patent no.: JP 9504153

Countries applicable:

ETSI Deliverable: GSM 05.02, GSM 05.08

Notes:

Company name: Nokia Project: **GSM**

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

Country of registration: ÉΡΟ EP 95918002.7 Application no.: EP 709015 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: GSM 05.02, GSM 05.08

Notes:

Company name: Nokia **GSM** Project:

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

Country of registration: ΑU

Application no.: AU 24104/95 Patent no.: AU 682112

Countries applicable:

ETSI Deliverable: GSM 05.02, GSM 05.08

Notes:

Company name: Nokia Project: **GSM**

Method And Apparatus For Speech Transmission In A Mobile Communications System Title:

PCT Country of registration:

Application no.: PCT/FI95/00390 WO 9602091 Patent no.: Countries applicable:

ETSI Deliverable: GSM 05.03

Notes:

Company name: Nokia Project: **GSM**

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: GB Application no.: 9602391.6 Patent no.: GB 2297671

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM** Title:

Country of registration: GB 9512284

Application no.:

Patent no.: Countries applicable: GB

ETSI Deliverable:

Notes: Nokia Mobile Phones, Finland, have stated that: Nokia's proposal for Enhanced Full Rate (EFR) speech

codec for the GSM Standard resulted from co-operation between Nokia, Universite de Sherbrooke (USH) and Siprolab Telecom Inc.; USH own the identified Canadian patent application and all corresponding patents and/or patent applications - not identified by Nokia; Nokia owns the identified UK patent application; and Nokia has the exclusive right to licence any patents owned by USH, or Siprolab which are

Essential to the implementation of the EFR codec for the GSM Standard.

Title:

Country of registration: CA Application no.: 010 830 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

CA

Nokia Mobile Phones, Finland, have stated that: Nokia's proposal for Enhanced Full Rate (EFR) speech codec for the GSM Standard resulted from co-operation between Nokia, Universite de Sherbrooke (USH) and Siprolab Telecom Inc.; USH own the identified Canadian patent application and all corresponding patents and/or patent applications - not identified by Nokia; Nokia owns the identified UK patent application; and Nokia has the exclusive right to licence any patents owned by USH, or Siprolab which are

Essential to the implementation of the EFR codec for the GSM Standard.

Company name: Nokia Project: **GSM**

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: CA Application no.: 2010830 Patent no.: CA 2010830 Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: Application no.: 90915956.8 EP 516621 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: GSM

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: US Application no.: 927528 US 5444816 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Nokia Company name: Project:

Title: Vector adaptive predictive coder for speech and audio

Country of registration:

Application no.: Patent no.: CA 1336454

Countries applicable:

ETSI Deliverable: GSM 6.60, GSM 06.20

Notes:

Company name: Nokia Project: **GSM**

Title: Vector adaptive predictive coder for speech and audio

Country of registration: EPΩ 92108904.1 Application no.: Patent no.:

Countries applicable: DE, FR, GB, IT **ETSI Deliverable:** GSM 6.60, GSM 06.20

Notes:

Company name: Nokia Project: GSM

Title: Vector adaptive predictive coder for speech and audio

Country of registration: US Application no.: 35615 US 4969192 Patent no.:

Countries applicable:

GSM 6.60, GSM 06.20 **ETSI Deliverable:**

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: ΑU

Application no.: AU 9644796

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech Title:

Country of registration: Application no.: 9601426 Patent no.: FR 2730336

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project:

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: FPO Application no.: EP 95939304.2 Patent no.: EP 801853

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 04.21

Notes:

Company name: Nokia Project: GSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration:

Application no.: PCT/CA96/00069 Patent no.: WO 9624925

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: GSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: Application no.: 96/0852 ZA 96/0852 Patent no.: Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: DE

Application no.: 19609170.5

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Data Transmission Method In A TDMA Mobile Communication System Title:

Country of registration: **EPO** EP 95932032 Application no.: EP 783811 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: GSM 03.34

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: PCT

PCT/FI95/00527 Application no.: Patent no.: WO 9610305 Countries applicable: **ETSI Deliverable:** GSM 03.34

Notes:

Nokia Company name: Project: **GSM**

Data Transmission Method In A TDMA Mobile Communication System Title:

Country of registration: Application no.: FI 944488 Patent no.: FI 96558 Countries applicable: FΙ **ETSI Deliverable:** GSM 03.34

Notes:

Company name: Nokia Project:

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: FPO Application no.: EP 95932031 Patent no.: EP 783826

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.34

Notes:

Company name: Nokia Project: GSM

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration:

Application no.: AU 35239/95 Patent no.: AU 9535239

Countries applicable:

ETSI Deliverable: GSM 03.34

Notes:

Company name: Nokia Project: **GSM**

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration:

Application no.: AU 41186/96 AU 9641186 Patent no.: Countries applicable:

ETSI Deliverable:

GSM 04.21 Notes:

Company name: Nokia Project: **GSM**

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: DĚ Application no.:

19604273.9

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 6.60

Notes:

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: PCT

PCT/FI96/00260 Application no.: Patent no.: WO 9636154

Countries applicable:

ETSI Deliverable: GSM 04.22

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:

Application no.: 187037/1988

Patent no.: Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Project: **GSM**

Method for locking to the user's card in a portable radio telephone Title:

Country of registration: 88306554.2 Application no.: Patent no.: IT 0301740

Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Project:

Title: Facsimile Transmission In A Mobile Communication System

EPO Country of registration: Application no.: EP 96904119 Patent no.: EP 759247

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.45

Notes:

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 88306554.2 Patent no.: GB 0301740

Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 88306554.2 FR 0301740 Patent no.: Countries applicable:

ETSI Deliverable:

GSM 02.22

Notes:

Company name: Nokia Project:

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 873309 FI 77550 Patent no.:

Countries applicable: **ETSI Deliverable:** GSM 02.22

Notes:

Company name: Nokia Project:

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: DK Application no.: 4219/88 DK 169158 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 02.22

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: **PCT** PCT/FI96/00019 Application no.: Patent no.: WO 9621983

Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Company name: Nokia Project: **GSM**

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: DE Application no.: 88306554.2 Patent no.: DE 3889800.4

Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: **EPO** Application no.: EP 96913557 Patent no.: EP 788702

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 04.22

Notes:

Company name: Nokia Project: **GSM**

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: NO Application no.: 88.3330 NO 173679 Patent no.: Countries applicable:

ETSI Deliverable:

GSM 02.22

Notes:

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: ΑU

AU 56506/96 Application no.: Patent no.: AU 9656506 Countries applicable:

ETSI Deliverable: GSM 04.22

Notes:

Company name: Nokia Project: **GSM**

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: **EPO** Application no.: 88306554.2 Patent no.: EP 0301740

Countries applicable: AT, BE, CH, ES, GR, LI, LU, NL

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: FI Application no.: FI 952256 Patent no.: FI 98174 Countries applicable: FΙ **ETSI Deliverable:** GSM 04.22

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: NO

NO 964687 Application no.: Patent no.: NO 9604687 Countries applicable: **ETSI Deliverable:** GSM 03.45

Notes:

Nokia Company name: Project: **GSM**

Facsimile Transmission In A Mobile Communication System Title:

Country of registration: Application no.: AU 48334/96 Patent no.: AU 9648334 Countries applicable:

GSM 03.45 **ETSI Deliverable:**

Notes:

Company name: Nokia Project:

Title: Facsimile Transmission In A Mobile Communication System

Country of registration:

PCT/FI96/00136 Application no.: Patent no.: WO 9627975

Countries applicable:

ETSI Deliverable: GSM 03.45

Notes:

Company name: Nokia Project:

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: FΙ Application no.: FI 951020

Patent no.: FI 100213 Countries applicable: FΙ **ETSI Deliverable:** GSM 03.45

Notes:

Company name: Nokia Project: **GSM**

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: EPO

Application no.: EP 96904117.7 EP 0813779 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: GSM 04.21

Notes:

Company name: Nokia Project: GSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: ΑU

Application no.: AU 48332/96 AU 9648332 Patent no.: Countries applicable: **ETSI Deliverable:** GSM 04.21

Notes:

Company name: Nokia Project: **GSM**

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: PCT

PCT/FI96/00134 Application no.: Patent no.: WO 9627959

Countries applicable:

ETSI Deliverable: GSM 04.21

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration:

Application no.: FI 951019 Patent no.: FI 100212 Countries applicable: FΙ ETSI Deliverable: GSM 04.21

Notes:

Company name: Nokia Project: **GSM**

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: **EPO**

EP 96900336.7 Application no.: EP 804844 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Company name: Nokia Project: **GSM**

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: ΑU

AU 43928/96 Application no.: Patent no.: AU 9643928

Countries applicable:

ETSI Deliverable: GSM 03.60

Notes:

Nokia Company name: Project: **GSM**

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

> system PCT

Country of registration:

Application no.: PCT/FI95/00249 WO 9531879 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 05.02, GSM 05.08

Notes:

Company name: Nokia Project: GSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: **EPO** Application no.: 95303040.0

Patent no.:

Countries applicable: AT, CH, DE, FR, GB, IT, NL, SE **ETSI Deliverable:**

Notes:

GSM 03.64

Company name: Nokia

Project: **GSM** Title:

Telecommunications system Country of registration: ΑU

Application no.: 42618/96

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 05.02

Notes:

Company name: Nokia Project: **GSM**

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 88126 Patent no.: PT 88126

Countries applicable:

ETSI Deliverable: GSM 02.22

Title: Telecommunications system

Country of registration:

Application no.: 19546577.6

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 05.02

Company name: Nokia Project: **GSM**

Telecommunications system Title:

Country of registration: Application no.: 950419 Patent no.: FI 99066 Countries applicable:

ETSI Deliverable: GSM 05.02

Notes:

Company name: Nokia Project:

Title: Telecommunications system

Country of registration: 9514959 Application no.: Patent no.: FR 2730117

Countries applicable:

ETSI Deliverable: GSM 05.02

Notes:

Company name: Nokia Project: GSM

Title: Telecommunications system

Country of registration: GB Application no.: 9525966.9

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 05.02

Notes:

Company name: Nokia Project: **GSM**

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: US Application no.: 431559 US 5640395 Patent no.: Countries applicable:

ETSI Deliverable: GSM 03.64

Notes:

Company name: Nokia Project: **GSM**

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: FΪ Application no.: 942038 Patent no.: FI 98426

Countries applicable: GSM 03.64

ETSI Deliverable:

Notes:

Company name: Nokia Project:

Title: Telecommunications system

Country of registration: SE

Application no.: 9504541-5

Patent no.: Countries applicable:

ETSI Deliverable: GSM 05.02

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

Country of registration: FI
Application no.: FI 942191
Patent no.: FI 96468
Countries applicable:

ETSI Deliverable:

eliverable: GSM 05.02, GSM 05.08

Notes:

Company name: Nokia Project: SSM

Title: Telecommunications system

Country of registration: PCT

Application no.: PCT/FI95/00687
Patent no.: PCT/FI95/00687

Countries applicable:

ETSI Deliverable: GSM 05.02

Notes:

Company name: Nokia Project: GSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: AU Application no.: 17857/95

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.64

Notes:

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: US
Application no.: 221079
Patent no.: US 4868846
Countries applicable:

Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia
Project: GSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: CN **Application no.:** 95105074.5

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.64

Notes:

Company name: Nokia
Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: SE
Application no.: 88306554.2
Patent no.: SE 0301740

Patent no.: SE Countries applicable:

ETSI Deliverable: GSM 02.22

Notes:

Company name: Nokia Corporation

Project: GSM

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: FR
Application no.: 9813451

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project:

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

Application no.: M198A002311 Patent no.: 1303264

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: CA Application no.: 2317448

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Neighbour cell measurements for cell re-selection Title:

Country of registration: FΙ Application no.: 981855 Patent no.: 107861

Countries applicable:

ETSI Deliverable: TS 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Adaptive length IES in fixed length broadcast message

Country of registration: CN 00104099.5

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 04.35 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: US

Application no.: 09/181518

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: SF 9803644-5 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Adaptive length IES in fixed length broadcast message

Country of registration: **BR**

Application no.: PI0008450-6

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Subnetwork dependent convergence protocol for a mobile radio network Title:

RU Country of registration:

2000113226 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

GB

9823844.7

Project: **GSM**

Subnetwork dependent convergence protocol for a mobile radio network Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation GSM**

Project:

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: FR Application no.: 92900861.3 0520049 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Neighbour cell measurements for cell re-selection

Country of registration: US Application no.: 09/385109 6377803 Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name: **Nokia Corporation**

Project:

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018. TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Neighbour cell measurements for cell re-selection

Country of registration: JР 2000-568224 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

US 09/638463

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: AU Application no.: 90472/91 Patent no.: 659814

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Company name: **Nokia Corporation**

Project:

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

TS 23.018. TS 23.002

Project: GSM

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: Application no.: 910211 Patent no.: 90713

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: NL Application no.: 1010427

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: GB Application no.: 92900861 0520049 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Adaptive length IES in fixed length broadcast message Title:

Country of registration: ΑU Application no.: 22375/00 Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title:

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network IT

Country of registration: Application no.:

92900861 0520049

Countries applicable:

Patent no.:

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name: **Nokia Corporation**

Project:

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018. TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: Application no.: 923575 Patent no.: 306370

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network Title:

Country of registration: Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: FPO Application no.: 92900861 Patent no.: 0520049

Countries applicable:

ETSI Deliverable: TS 23.018. TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

JP

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

Application no.: 2000-518526

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch JP 8-521466

Application no.: Patent no.:

Countries applicable:

Country of registration:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: CN Application no.: 96191896.9

Patent no.:

Countries applicable:

ETSI Deliverable: 08.06

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Dynamic channel numbering for GSM

Country of registration: PCT

Application no.:

Patent no.:

PCT/IB02/00012

Countries applicable:

ETSI Deliverable:

TS 45.005, 45.018, TR 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Dynamic channel numbering for GSM

Country of registration: US

Application no.: 10/040896, 60/260486

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.005, 45.018, TR 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Packet PSI status during unspecified update

Country of registration: PCT

Application no.: PCT/IB02/00010

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60, TR 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Packet PSI status during unspecified update

Country of registration: US

Application no.:

10/004477, 60/260599

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60, TR 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method to differential compact and classic control channels Title: US

Country of registration:

Application no.: 09/669508, 60/161892

Patent no.: Countries applicable:

ETSI Deliverable: TS 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

464

Company name: **Nokia Corporation**

Project:

Title: Adaptive length IES in fixed length broadcast message

Country of registration:

2000/1333 Application no.: Patent no.: 2000/1333 Countries applicable:

ETSI Deliverable:

TR 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Adaptive length IES in fixed length broadcast message Title:

Country of registration: PCT

PCT/IB00/00346 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Adaptive length IES in fixed length broadcast message Title:

Country of registration: US Application no.: 09/525884

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Adaptive length IES in fixed length broadcast message

Country of registration: 1014665 Application no.: Patent no.: 1014665

Countries applicable:

ETSI Deliverable: TR 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Adaptive length IES in fixed length broadcast message

Country of registration: MX

Application no.: 2001/009314

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Adaptive length IES in fixed length broadcast message Title:

Country of registration:

Application no.: 10-2001-7011489

Patent no.: Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Nokia Corporation Company name:

Project:

Title: Adaptive length IES in fixed length broadcast message

Country of registration:

213/MAS/2000 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TR 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil Title:

switch Country of registration: HK Application no.:

Patent no.:

98103484.0

Countries applicable:

ETSI Deliverable: 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: FΙ Application no.: 980340 Patent no.: 106424

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transmission method in GPRS

Country of registration: AU 91647/98 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Improving user data packet transmission in inter SGSN routing area update in GPRS Country of registration: CN

Application no.: 99802910.6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Adaptive length IES in fixed length broadcast message

Country of registration: Application no.: 990591 Patent no.: 108267 Countries applicable:

ETSI Deliverable:

TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: FPO Application no.: 99903704.7

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Adaptive length IES in fixed length broadcast message

Country of registration: HK Application no.: 01101533.1

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Adaptive length IES in fixed length broadcast message Title:

Country of registration:

2000/0212 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil Title:

switch FΙ

Country of registration: Application no.:

972973 Patent no.:

Countries applicable:

ETSI Deliverable: 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: JP

Application no.: 2000-531967

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil Title:

switch FPO

Country of registration: Application no.:

96900618.8

Countries applicable:

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Nokia Corporation

Project:

GSM

Title:

Data transmission method in GPRS

Country of registration: Application no.:

CN 98809034.1

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

Data transmission method in GPRS

Application no.: Patent no.:

FPO 98943921.1

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

GSM

FΙ

Project: Title:

Data transmission method in GPRS

Country of registration: Application no.:

973681 Patent no.: 106088

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil Title:

switch

Country of registration: Application no.:

ΑU 44399/96 700659

Patent no.: Countries applicable:

08.06

GSM

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil switch

Country of registration: Application no.:

CA 2210006

Patent no.:

Countries applicable: **ETSI Deliverable:**

08.06

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Adaptive length IES in fixed length broadcast message

Country of registration: EPÓ Application no.: 00911159.2

Patent no.: Countries applicable:

ETSI Deliverable: TR 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

JΡ

Project: GSM

Adaptive length IES in fixed length broadcast message Title:

Country of registration:

2000-073232 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Allocation of control channel in packet radio network Title:

Country of registration: IN

Application no.: 651/MAS/98

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Synchronization of protocol remapping

CA

Country of registration:

PCT/EP99/07596 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Resource allocation mechanism in packet radio network

Country of registration: JP Application no.: 10-541187

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Resource allocation mechanism in packet radio network Title:

Country of registration:

Application no.: 650/MAS/98 Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Resource allocation mechanism in packet radio network

Country of registration: HK Application no.: 00100947.4

Patent no.: Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: Application no.: 971321 Patent no.: 104877

Countries applicable:

ETSI Deliverable: TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Resource allocation mechanism in packet radio network Title:

Country of registration: FPO Application no.: 98910776.8 Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Resource allocation mechanism in packet radio network

Country of registration: CN Application no.: 98800379.1 Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Resource allocation mechanism in packet radio network

Country of registration: CA Application no.: 2256429

Patent no.: Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Allocation of control channel in packet radio network Title:

Country of registration: Application no.: 98/2553 Patent no.: 982553

Countries applicable: **ETSI Deliverable:**

TS 03.64, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Allocation of control channel in packet radio network

Country of registration: US Application no.: 09/194572

Patent no.: Countries applicable:

ETSI Deliverable:

TS 03.64. TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Allocation of control channel in packet radio network Title:

Country of registration: Application no.: 9805667-4 Patent no.: 60504

Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Resource allocation mechanism in packet radio network Title:

Country of registration: SG Application no.: 9805665-8 Patent no.: 60502 Countries applicable:

ETSI Deliverable: TR 04.60

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Allocation of control channel in packet radio network

Country of registration: JP Application no.: 10-541197 Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.64. TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Resource allocation mechanism in packet radio network

Country of registration: US Application no.: 09/194576 Patent no.: 6356759

Countries applicable:

ETSI Deliverable: TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Allocation of control channel in packet radio network Title:

Country of registration: Application no.: 00100946.5 Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Allocation of control channel in packet radio network

Country of registration: Application no.: 971537 Patent no.: 104610

Countries applicable:

ETSI Deliverable: TS 03.64. TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: **EPO** 98912523.2 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Allocation of control channel in packet radio network Title:

Country of registration: CN Application no.: 98800378.3

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: FΙ Application no.: 980020 Patent no.: 106607 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Cell selection in a multiple modulation cellular radio system Title:

Country of registration: **EPO** Application no.: 99300036.3 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: CN

Application no.: 99803540.8

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: ΑU Application no.: 18802/99

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: Method for indicating power consumption in a packet switched communication system

Country of registration: PCT PCT/FI99/00702

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method for indicating power consumption in a packet switched communication system US

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method for indicating power consumption in a packet switched communication system

Country of registration:

Application no.:

Patent no.:

2000-571107

09/383481

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Allocation of control channel in packet radio network MY

Country of registration: Application no.:

PI9801360

Patent no.: Countries applicable:

ETSI Deliverable: TS 03.64, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Cell prioritising in a cellular radio system

Country of registration: Application no.: 970855 Patent no.: 104780

Countries applicable:

ETSI Deliverable: TS 48.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Rate adaptation of edge traffic channel in GSM network Title:

Country of registration: CA 2295608 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.21, TS 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method of exiting collect information phase in intelligent network Title:

Country of registration: US Application no.: 09/331874 Patent no.: 6393121 Countries applicable:

ETSI Deliverable:

TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method of exiting collect information phase in intelligent network

Country of registration: JP Application no.: 11-530114 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.121

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method of exiting collect information phase in intelligent network

Country of registration: HK Application no.: 00102926.5

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.121

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method of exiting collect information phase in intelligent network Title:

Country of registration: Application no.: 974100 Patent no.: 105981 Countries applicable:

ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Method of exiting collect information phase in intelligent network

Country of registration: Application no.: 98950132.5

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.121

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method of exiting collect information phase in intelligent network Title:

Country of registration:

Application no.: 98802213.3

Patent no.:

Countries applicable:

TS 23.121 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method of exiting collect information phase in intelligent network Title:

Country of registration: CA Application no.: 2276374

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell prioritising in a cellular radio system

Country of registration: US Application no.: 09/028726

Patent no.: Countries applicable:

ETSI Deliverable: TS 48,008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell prioritising in a cellular radio system

Country of registration: SE Application no.: 9903029-8

Patent no.:

Countries applicable:

ETSI Deliverable: TS 48.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Cell prioritising in a cellular radio system Title:

Country of registration: JP

Application no.: 43401/1998 Patent no.:

Countries applicable:

ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Resource allocation mechanism in packet radio network

Country of registration: PI9801353 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Cell prioritising in a cellular radio system Title:

HK

Country of registration:

Application no.: 00105863.3

Patent no.:

Countries applicable:

ETSI Deliverable: TS 48.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: **PCT**

Application no.:

Patent no.:

PCT/FI00/00755

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Cell prioritising in a cellular radio system Title: ES

Country of registration: Application no.:

9950041 Patent no.:

Countries applicable:

ETSI Deliverable: TS 48,008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Cell prioritising in a cellular radio system Title:

Country of registration: **EPO** Application no.: 98301527.2

Patent no.:

Countries applicable:

ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell prioritising in a cellular radio system

Country of registration: CN

Application no.: 98802945.6

Patent no.:

Countries applicable:

ETSI Deliverable: TS 48,008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: AU
Application no.: 61032/98
Patent no.: 732488

Countries applicable:

ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Improved timing advance determination

Country of registration: PCT

Application no.: PCT/EP00/08551

Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: Improved timing advance determination

Country of registration: US

Application no.: PCT/EP00/08551

Patent no.:

Countries applicable:

ETSI Deliverable: TS 0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Improved timing advance determination

JP

Country of registration:

Application no.: 2001-522795

Patent no.: Countries applicable:

ETSI Deliverable: TS 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Improved timing advance determination

Country of registration: GB Application no.: 9920918.1

Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Improved timing advance determination

Country of registration: EPO Application no.: 00965910.3 Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Improved timing advance determination

Country of registration: CA

Application no.: PCT/EP00/08551

Patent no.: Countries applicable:

ETSI Deliverable:

TS 04.31

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: Application no.: 98/2554 Patent no.: 982554

Countries applicable:

ETSI Deliverable: TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Cell prioritising in a cellular radio system Title:

Country of registration: IN

Application no.: 381/MAS/98

Patent no.:

Countries applicable:

ETSI Deliverable: TS 48,008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and device for voice activity detection and a communication device Title:

Country of registration: FPO 96118504.8 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Data transmission method in GPRS Title:

Country of registration: NO Application no.: 20001284 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Data transmission method in GPRS

Country of registration: US Application no.: 09/519971

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Project: GSM

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration:

Application no.: 759/MAS/98

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: 9807608.6 Application no.: Patent no.: 2329803

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: Application no.: 9804479 Patent no.: 9804479 Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FΙ Application no.: 971484 Patent no.:

Countries applicable:

ETSI Deliverable: TS 45,003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: Application no.:

ES 9950051

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration:

Application no.: 19815597.2

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: CN Application no.: 98106901.0

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: Application no.: 1846/99

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: ΑU Application no.: 64040/98 Patent no.: 733218 Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

981838

Project: **GSM**

Title:

Method for indicating power consumption in a packet switched communication system FΙ

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and device for voice activity detection and a communication device Title:

Country of registration: JP Application no.: 08-331874

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: KR Application no.:

Patent no.:

99-7006666

Countries applicable:

ETSI Deliverable: 05.03, TS 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: A method for enhancing data transmission

Country of registration:

Application no.: 08/800575 Patent no.: 6144676

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: A method for enhancing data transmission

Country of registration: Application no.:

RU 98117408

9-529024

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM**

Title:

A method for enhancing data transmission JP

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Nokia Corporation

Project:

Title: A method for enhancing data transmission

Country of registration: Application no.: 9817289.3 Patent no.: 2324937

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: A method for enhancing data transmission FΙ

Country of registration: Application no.: Patent no.:

960752

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: A method for enhancing data transmission

Country of registration: FS Application no.: 9850012

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: A method for enhancing data transmission

Country of registration: Application no.:

FPO 97902391.8

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

A method for enhancing data transmission

Country of registration:

Application no.:

Patent no.:

19781589.8

DF

Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

A method for enhancing data transmission

Country of registration:

Application no.:

Patent no.:

97193857.1

CN

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title: Country of registration: A method for enhancing data transmission CH

Application no.:

1707/98

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: A method for enhancing data transmission

Country of registration: Application no.: 16052/97 Patent no.: 719988

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method and device for voice activity detection and a communication device

Country of registration: US Application no.: 08/763975 Patent no.: 5963901

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Routing area updating in packet radio network

Country of registration: **EPO** Application no.: 98900872.7

Patent no.:

Countries applicable: **ETSI Deliverable:**

04.07, TS 04.64, TS 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: FΙ 981043 Application no.: Patent no.: 105975

Countries applicable:

ETSI Deliverable:

TS 04.21, TS 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: US

PCT/FI00/00755

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: FI **Application no.:** 991932

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GS

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: Application no.:

EPO 00958556.3

Patent no.: Countries applicable:

Countries applicable: ETSI Deliverable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: AU
Application no.: 70038/00

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: CA Application no.: 2254142

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 03.64, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: ZA
Application no.: 98/0435
Patent no.: 98/0435

Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSI

Title: Routing area updating in packet radio network

Country of registration: US Application no.: US 09/341303

Patent no.: Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Routing area updating in packet radio network

Country of registration: Application no.: I-114

Patent no.: Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Routing area updating in packet radio network Title:

Country of registration: JΡ Application no.: 10-533809

Patent no.:

Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Routing area updating in packet radio network Title:

Country of registration: IN

Application no.: 119/MAS/98

Patent no.:

Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transmission method in GPRS JP

2000-512369

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Routing area updating in packet radio network Title:

Country of registration: Application no.: 970239 Patent no.: 103084

Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: US

Application no.: 09/019656

Patent no.:

Countries applicable: **ETSI Deliverable:** 05.03, TS 05.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Routing area updating in packet radio network

Country of registration: CN 98801881.0 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Routing area updating in packet radio network Title:

Country of registration: CA Application no.: 2278801

Patent no.:

Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration:

Application no.: 09/057680, 09/730288

Patent no.: 6178535 Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames Country of registration: KR

99-7009285 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 45,003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: JP Application no.: 10-098937

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: Application no.: MI98A000766 Patent no.: 1299063

Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: Application no.: 58658/98 Patent no.: 739176

Countries applicable:

ETSI Deliverable: 05.03. TS 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

An information coding method and devices utilizing error correction and error detection Title:

Country of registration:

CN

Application no.:

98802418.7

Patent no.:

Countries applicable:

ETSI Deliverable: 05.03, TS 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

An information coding method and devices utilizing error correction and error detection Title: FPO

Country of registration: Application no.:

98901995.5

Patent no.: Countries applicable:

ETSI Deliverable:

05.03, TS 05.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: An information coding method and devices utilizing error correction and error detection FΙ

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: 05.03. TS 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: Application no.:

JP 10-533811

970554

Patent no.:

Countries applicable:

ETSI Deliverable: 05.03. TS 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method for indicating power consumption in a packet switched communication system Title:

Country of registration: **EPO** Application no.: 99940220.9 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Routing area updating in packet radio network

20002399

MI98A002375

2404/MAS/98

Country of registration: HK Application no.: 00102496.5

Patent no.: Countries applicable:

ETSI Deliverable: 04.07, TS 04.64, TS 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic Title:

channels Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method and arrangement for defining transmission power in a mobile station

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

GB

9823843.9

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: FR Application no.: 9813208

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: FΙ Application no.: 974144 Patent no.: 106665

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for defining transmission power in a mobile station Title:

Country of registration: ES Application no.: 9802289 Patent no.: 9802289

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: 19847678.7

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration:

CN 98123845.9

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: СН Application no.: 2114/98

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.:

BR 9804390-0

89266/98

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method and arrangement for defining transmission power in a mobile station ΑU

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: PCT

Application no.:

Patent no.:

PCT/FI00/00016

2000-528121

Countries applicable:

ETSI Deliverable:

TR 04.60

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** GSM

Project:

Title:

Country of registration: JΡ

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Cell selection in a multiple modulation cellular radio system

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.: 98120252

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: High frequency enhancement layer coding in wide band speech codec

Country of registration: **PCT**

PCT/IB01/01947 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: T 26.190, TS 26.19

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: High frequency enhancement layer coding in wide band speech codec

Country of registration: US

Application no.: 09/691440

Patent no.: Countries applicable:

ETSI Deliverable:

T 26.190, TS 26.192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

GERAN radio access bearers Title:

Country of registration: US

Application no.: 09/937949

Patent no.:

Countries applicable:

ETSI Deliverable: TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GERAN radio access bearers Title:

Country of registration: KR

Application no.: 7013262/2001

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: GERAN radio access bearers

JΡ Country of registration:

Application no.: 2001-560574

Patent no.:

Countries applicable: **ETSI Deliverable:** TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **GSM**

GERAN radio access bearers Title:

Country of registration: GB

Application no.: 0031296.7, 0003892.7

Patent no.: Countries applicable:

ETSI Deliverable:

TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

GERAN radio access bearers Title:

Country of registration: Application no.:

EPO 01919304.4

Patent no.:

Countries applicable:

ETSI Deliverable: TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GERAN radio access bearers Title:

Country of registration: CA Application no.: 2370664

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GERAN radio access bearers Title: BR

Country of registration:

Application no.: PI0104591.1

Patent no.: Countries applicable:

ETSI Deliverable:

TS 43.051

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Mobile equipment based filtering

Country of registration: **PCT**

Application no.:

PCT/IB00/01718

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.08. TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Rate adaptation of edge traffic channel in GSM network Title:

Country of registration: Application no.: 99800725.0

Patent no.: Countries applicable:

ETSI Deliverable: TS 04.21, TS 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: US Application no.: 09/224234

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Comfort noise generation system utilizing stationarity information of background noise

Country of registration: PCT PCT/IB01/02235

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: Application no.: Patent no.:

09/354187

99115462

US

Countries applicable:

ETSI Deliverable:

TS 02.71, TS 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Method and arrangement for managing a service in a mobile communications system Title: RU

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and arrangement for managing a service in a mobile communications system JP

Country of registration: Application no.:

11-204782

Patent no.: Countries applicable:

ETSI Deliverable:

TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title:

Method and arrangement for managing a service in a mobile communications system

Country of registration:

Application no.: 735/MAS/99

Patent no.: Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: 00106015.8 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method and arrangement for managing a service in a mobile communications system Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

981638

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for managing a service in a mobile communications system Title:

Country of registration: FPO Application no.: 99305673.8

Patent no.:

Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for managing a service in a mobile communications system Title:

Country of registration: CN Application no.: 99110495.1

Patent no.: Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: ΑU Application no.: 39157/99

Patent no.:

Countries applicable:

ETSI Deliverable: TS 02.71, TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Packet radio telephone services Title:

Country of registration: US 09/189590 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 05.10, TS 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Packet radio telephone services

JΡ

Country of registration: JP

Application no.: 2000-520596

Patent no.: Countries applicable:

ETSI Deliverable:

TS 05.10. TS 03.64

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method and arrangement for defining transmission power in a mobile station Title:

Country of registration:

Application no.: 10-300863

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Packet radio telephone services

Country of registration: **EPO** Application no.:

98947586.8

Patent no.: Countries applicable:

ETSI Deliverable:

TS 05.10, TS 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

NL

1010477

Project: **GSM**

Method and arrangement for defining transmission power in a mobile station Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Comfort noise generation system utilizing stationarity information of background noise

Country of registration: US

Application no.: 09/970091, 60/253170

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.192

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title:

An improved spectral parameter substitution for the speech frame error concealment in a speech decoder

Country of registration:

Application no.:

PCT/IB01/01950

Patent no.:

Countries applicable:

TS 26.191

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **GSM**

Title: An improved spectral parameter substitution for the speech frame error concealment in a speech decoder

Country of registration:

Application no.: 09/918300, 60/242498

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.191

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title:

An improved LTP-parameter substitution for the frame error concealment in a speech decoder Country of registration: PCT PCT/IB01/02021

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 26.191

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

An improved LTP-parameter substitution for the frame error concealment in a speech decoder Title:

Country of registration: US Application no.: 09/702540

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A novel method for estimating artificial higher band signal using voice activity information Title:

Country of registration: PCT PCT/IB01/01596 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 26.190

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: A novel method for estimating artificial higher band signal using voice activity information

Country of registration: Application no.:

09/691323

US

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic Title:

channels

Country of registration:

PCT Application no.: PCT/FI01/00946

Patent no.: Countries applicable:

TS 45,003

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic

channels

Country of registration: US

Application no.: 10/021748 Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: NO Application no.: 973233

Patent no.:

Countries applicable:

ETSI Deliverable:

08.06

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for defining transmission power in a mobile station Title:

Country of registration: Application no.:

09/185687

US

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 04.60 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Packet radio telephone services Title:

US 09/480071

Country of registration: FΙ Application no.: 974290

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.10. TS 03.64

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

Title: Solsa for GPRS

Country of registration: Application no.: 981976 Patent no.: 106087

Countries applicable:

ETSI Deliverable: 03.73, TS 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: Synchronization of protocol remapping

Country of registration: JĖ

Application no.: 2001-530235

Patent no.: Countries applicable:

ETSI Deliverable:

TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Synchronization of protocol remapping Title:

Country of registration: EPO Application no.: 99950691.8

Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Synchronization of protocol remapping Title:

Country of registration: CN Application no.: 99816942.0 Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Synchronization of protocol remapping

Country of registration: ΑIJ Application no.: 63372/99 Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Intelligent internet router

PCT

TS 23.060

Country of registration:

Application no.: PCT/EP00/03478

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Intelligent internet router Title:

Country of registration: Application no.: 10/015134 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Intelligent internet router

Country of registration: JP

Application no.: 2001-524310

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Intelligent internet router Title:

Country of registration: Application no.:

EPO 00922643.2

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Intelligent internet router Title:

Country of registration: CN Application no.: 00812801.4

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Intelligent internet router Country of registration: CA

Application no.:

PCT/EP00/03478 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23,060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Intelligent internet router

BR

Country of registration:

Application no.: PI0013930-0

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Mobile equipment based filtering Title:

Country of registration: Application no.: 09/457952 Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.08, TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Solsa for GPRS

Country of registration: US Application no.:

09/787125

Patent no.:

Countries applicable:

ETSI Deliverable:

03.73. TS 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

GSM Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: Application no.: 974094 Patent no.: 105760

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Solsa for GPRS

Country of registration: **EPO** Application no.: 99944665.1

Patent no.: Countries applicable:

ETSI Deliverable:

03.73, TS 08.18

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Solsa for GPRS Title:

Country of registration: 99810921.5

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: 03.73, TS 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Solsa for GPRS Title:

Country of registration: BR

Application no.: PI9913674-0

Patent no.:

Countries applicable:

ETSI Deliverable: 03.73, TS 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

Cell selection in a packet radio network

Title: Country of registration: PCT

PCT/FI99/00431 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 03.22

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Cell selection in a packet radio network

Country of registration: US Application no.: 09/700588

Patent no.: Countries applicable:

ETSI Deliverable:

TS 03.22

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Cell selection in a packet radio network Title:

JP

Country of registration:

Application no.: 2000-550280

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Cell selection in a packet radio network Title:

Country of registration: FΙ Application no.: 981130 Patent no.: 106768 Countries applicable:

ETSI Deliverable:

TS 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Cell selection in a packet radio network Title:

Country of registration: FPO Application no.: 99952143.8 Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.22

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: **PCT**

Application no.: PCT/FI99/00388

Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.21, TS 08.20, TS 29.007, TS 27.001

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Rate adaptation of edge traffic channel in GSM network Title:

Country of registration: US Application no.: 09/462199 Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.21, TS 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Neighbour cell measurements for cell re-selection

Country of registration: EPŎ Application no.: 99939471.1

Patent no.: Countries applicable:

ETSI Deliverable:

TS 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Solsa for GPRS Title:

Country of registration:

PCT PCT/FI99/00750 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: 03.73, TS 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: Application no.: 9703101-7 Patent no.: 42705

Countries applicable:

ETSI Deliverable:

08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM** Method and devices for implementing a continued packet-switched radio connection

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration:

Application no.: Patent no.:

2000-6213, 2002-3642, 2002-3653

2000-579, 2001-68620, 2001-68621

Countries applicable:

ETSI Deliverable:

TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and devices for implementing a continued packet-switched radio connection Title: HK

Country of registration:

00107551.6 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

TR 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: Application no.: 990039

Patent no.: Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration:

Application no.:

EPO 00300178.1, 01309686.2, 01204507.6

00101039.5, 01143124.5, 01143122.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method and devices for implementing a continued packet-switched radio connection Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and devices for implementing a continued packet-switched radio connection Title:

Country of registration:

PI9905907-0 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TR 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

US

JP

11-336821

TR 44.060

Project: **GSM**

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: Application no.:

09/447988

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for transferring information in a packet radio service Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TR 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: Application no.: 982577 Patent no.: 108203

Countries applicable: ETSI Deliverable:

TR 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method and arrangement for transferring information in a packet radio service Title:

Country of registration: Application no.:

200150048

Patent no.:

Countries applicable:

ETSI Deliverable: TR 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Synchronization of protocol remapping Title:

Country of registration: KR

Application no.: 7004651/2002

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: CN Application no.: 99813827.4

Patent no.: Countries applicable:

ETSI Deliverable:

TR 44,060 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Synchronization of protocol remapping

Country of registration: US

Application no.: PCT/EP99/07596

Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Support of multiplicity of air interfaces over the interface between the base station controller and the mobil Title:

switch US 08/373942 5664004

Patent no.: Countries applicable:

Country of registration:

Application no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: New 14.4 Kbit/s service for GSM

Country of registration: ΑU Application no.: 73003/96 Patent no.: 716158

Countries applicable:

ETSI Deliverable: 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: New 14.4 Kbit/s service for GSM CN

Country of registration:

Application no.: 96198322.1

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

New 14.4 Kbit/s service for GSM Title:

05.03

Country of registration: FPO Application no.: 96934871.3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

New 14.4 Kbit/s service for GSM Title:

Country of registration: FΙ Application no.: 955206 Patent no.:

Countries applicable:

ETSI Deliverable: 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: New 14.4 Kbit/s service for GSM

Country of registration: JP Application no.: 9-517098

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

New 14.4 Kbit/s service for GSM Title:

Country of registration: NO Application no.: 98.1941 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: New 14.4 Kbit/s service for GSM

Country of registration: US Application no.: 09/066359

Patent no.: Countries applicable:

ETSI Deliverable: 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Method and arrangement for transferring information in a packet radio service Title:

Country of registration: CA 2354062 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Method and arrangement for transferring information in a packet radio service Title:

Country of registration:

Application no.: PI9915676-8

Patent no.:

Countries applicable:

ETSI Deliverable: TR 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: RU Application no.: 97116484

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: **EPO** Application no.: 99923621.9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 04.21, TS 08.20, TS 29.007, TS 27.001

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method and arrangement for transferring information in a packet radio service Title:

Country of registration: **EPO** Application no.: 99308864.0 Patent no.:

Countries applicable:

ETSI Deliverable: TR 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSN

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: FI
Application no.: 954545
Patent no.: 101337

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: Application no.:

NO 974099

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: NZ
Application no.: 318789
Patent no.: 318789

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: NO **Application no.:** 981333

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: JP Application no.: 09

09-513159

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: HK
Application no.: 99100294,5
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

507

Company name: **Nokia Corporation**

Project:

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: FPO Application no.: 96931826

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Notes:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: Application no.:

Patent no.:

955030

GSM

FΙ

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: Application no.:

CA 2232792

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION AT

Country of registration: Application no.:

Patent no.:

A1804/96

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: GSM Title:

MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: Application no.:

08/776279 5960354

US

Countries applicable:

Patent no.:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

MULTIBAND MOBILE TELEPHONE SYSTEM

Title: Country of registration: Application no.:

SG 9700803-1 37836

Countries applicable: **ETSI Deliverable:**

Patent no.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: KR Application no.: 700253

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: Application no.:

JΡ 8534589

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: HK Application no.:

Patent no.:

98112483,2

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: FPO Application no.: 96914224

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: Application no.:

CN 96190506.9

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL Title:

Country of registration: Application no.:

CN 96197188,6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration: NL

Application no.: 1004295 1004295 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM Country of registration: FPO Application no.: 97906195,9

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

> **SYSTEM** CN

Country of registration:

Application no.: 97190139,2 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM CA 2219256

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: ΑIJ Application no.: 20967/97

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: FΙ Application no.: 960996 Patent no.: 102936

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name:

Nokia Corporation

Project:

Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration:

Application no.: Patent no.:

US 08/724909 5966378

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration:

US 09/043702

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION RU

Country of registration:

Application no.:

PCT/FI96/00505

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: Application no.:

952382

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION JΡ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

9-516310

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration:

Application no.: Patent no.:

MI96/A002156

Countries applicable: **ETSI Deliverable:**

Notes:

1284978

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration: GB Application no.: 9622016,5 2306858 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: Application no.:

FR 9612754

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION DF

Country of registration:

Application no.:

19641084,3

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration:

Application no.: Patent no.:

CN 96198961

GSM

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO COMMUNICATION

ΑIJ

Country of registration:

Application no.: 69906/96 Patent no.:

Countries applicable:

702769

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: Application no.:

SF

Patent no.:

9603731-2

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: EPO **Application no.:** 96904119

Patent no.: Countries applicable:

untries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: CA Application no.: 2217693

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: AU
Application no.: 53363/96
Patent no.: 705619

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: FI
Application no.: 951807
Patent no.: 101439

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: US
Application no.: 08/732467
Patent no.: 5805301

Countries applicable: ETSI Deliverable:

E I SI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: NO Application no.: 964687

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: KR Application no.: 706268

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: CA 2194542 Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

HK

97101623,7

98109501,6

Project: **GSM**

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title: HK

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

2188788

CN

96190165.9

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title: CA

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: ΑU Application no.: 4833496 Patent no.: 702866

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: SG Application no.: 9611824-5 Patent no.: 34817

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: FΙ Application no.: 951020 Patent no.: 100213

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: US Application no.: 08/913558

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM

Country of registration: FΙ Application no.: 943302 Patent no.: 96650 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

GSM Project:

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

JΡ Country of registration: Application no.: 8526639

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

Title:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: Application no.:

CA 2193379

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

JP

9-531490

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL US

Country of registration: Application no.: Patent no.:

765067 5930233

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL US

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

09/765067

Project: Title:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: Application no.:

Patent no.:

96122478

SG

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Application no.: Patent no.:

KR 707574

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: JP Application no.: 8533810

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration:

HK Application no.: 98101125,9

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: CN

Application no.: 96193866,8

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration: CN Application no.: 9619046..5

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: **EPO** Application no.: 96910043.7

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration: ΑU Application no.: 5650696 Patent no.: 708324

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: Application no.: 952256 Patent no.: 98174

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: US Application no.: 08/930988 Patent no.: 5991716

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: SG Application no.: 9705023-1 Patent no.: 46046

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: NO Application no.: 974705 Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: JΡ Application no.: 8-530745

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: ΑU 5765396 Application no.: Patent no.: 706206

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

518

Company name: **Nokia Corporation**

Project:

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: FPO Application no.: 96913557

Patent no.:

Notes:

Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: CN Application no.:

Patent no.:

99812676.4

Countries applicable:

ETSI Deliverable:

TS23.271

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: CA

Application no.: PCT/FI00/00036

Patent no.: Countries applicable:

ETSI Deliverable:

TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: BR

Application no.:

PCT/FI00/00036

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: ΑU Application no.: 22965/00

Patent no.: Countries applicable:

ETSI Deliverable: TS 32.015 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: PCT

Application no.: PCT/FI99/00894

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.271

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: Application no.:

US 09/830816

Patent no.:

Countries applicable:

ETSI Deliverable: TS23,271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

GPRS LCS GENERAL ARCHITECTURE Title: JP

Country of registration:

Application no.: 2000-579018

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SMS IN GPRS Title:

Country of registration: Application no.: 10-541201

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

GPRS LCS GENERAL ARCHITECTURE Title: **EPO**

Country of registration: Application no.:

99954027.1

Patent no.:

Countries applicable:

TS23.271

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: Application no.: 990102

Patent no.:

Countries applicable: ETSI Deliverable:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SMS IN GPRS Title:

Country of registration: **7**A Application no.: 98/2684 Patent no.: 98/2684

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM** SMS IN GPRS Title:

Country of registration: **PCT** Application no.: PCT/FI98/00294

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SMS IN GPRS Title:

Country of registration: US Application no.: 09/194652 Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SMS IN GPRS

Title: Country of registration: TW Application no.: 86110727 Patent no.: 098463

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SMS IN GPRS

Country of registration: ΤH Application no.: 038940

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SMS IN GPRS Title:

Country of registration: SG Application no.: 9806032-0 Patent no.: 60753

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM Country of registration: HK Application no.: 98110176,8

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GPRS LCS GENERAL ARCHITECTURE Title:

980532

Country of registration: FΙ Application no.: 982331

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: SPEECH CODING FΙ

Country of registration: Application no.:

Patent no:

Countries applicable:

ETSI Deliverable: TS 26.173, 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: GSM

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: PCT

Application no.: PCT/FI01/00222

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

09/797115

20000524

Project: **GSM**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title: US

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER FΙ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SPEECH CODING Title:

Country of registration: PCT

Application no.:

PCT/FI99/00112

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: **GSM**

SPEECH CODING Title: US

09/263439

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.173, 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SPEECH CODING

Country of registration: KR 2000-7008992

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH CODING Title: .IP

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

CONTROLLED DATA NETWORK ERROR RECOVERY CN

Country of registration:

Application no.: Patent no.:

PCT/FI00/00036

2000-536069

Countries applicable:

ETSI Deliverable:

TS 32.015

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

GSM SPEECH CODING Title:

Country of registration:

Application no.:

Patent no.:

01105589.5

HK

Nokia Corporation

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

CONTROLLED DATA NETWORK ERROR RECOVERY **EPO**

Country of registration: Application no.:

00901634.6

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SPEECH CODING

Country of registration: **EPO** Application no.: 99903710.4

Patent no.:

Countries applicable: DE, ES, FR, GB, IT, NL, SE ETSI Deliverable: TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH CODING Title: CN

Country of registration: Application no.:

99803763.X

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM** Title:

SPEECH CODING

Country of registration:

BR PI9907665-9

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration:

Application no.:

PCT/FI00/00036

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: Title:

CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration:

US Application no.:

Patent no.:

09/903863

Countries applicable:

ETSI Deliverable: TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: JP

Application no.: 2000-595452

Patent no.: Countries applicable:

ETSI Deliverable:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SMS IN GPRS Title:

Country of registration: IN

Application no.:

708/MAS/98

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

GSM

Country of registration:

Nokia Corporation SPEECH CODING

IN

Application no.:

PCT/FI99/00112

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Guaranteed service selection

Country of registration:

Application no.:

Patent no.:

11-536779

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.: Patent no.:

GB 9920153.5

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

FR 9910952

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 45.003, TS06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

981869 105635

Patent no.: Countries applicable: **ETSI Deliverable:**

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.:

DF 19941331.2

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN DATA FRAMES

Country of registration:

CN

Application no.:

99810506.6

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.:

BR

Patent no.:

PI9912994-9

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

MY

PI9801435

Project: GSM

Title: SMS IN GPRS

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Guaranteed service selection

Country of registration: US Application no.: 09/367921

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK ΑU

65644/98

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Guaranteed service selection

Country of registration: FΙ Application no.: 980062 Patent no.: 106831

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Guaranteed service selection

Country of registration: FPO Application no.: 99900478.1

Patent no:

Countries applicable: **ETSI Deliverable:** TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: GSM

Title: Guaranteed service selection CN

Country of registration:

Application no.: 99800032.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Guaranteed service selection

Country of registration: Application no.:

CA 2283264

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM TH 35812

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM PΗ 55596

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

GSM

Country of registration:

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

KR

Application no.:

706020/1997

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

AU

Country of registration:

Application no.: 54251/99

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: FΙ Application no.: 972724 Patent no.: 104135

Countries applicable:

ETSI Deliverable: Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: SMS IN GPRS

Country of registration: FΙ Application no.: 971381 Patent no.: 105873

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

SMS IN GPRS Country of registration: **EPO** Application no.: 98912536.4

Patent no.:

Countries applicable: HK

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **GSM**

Title:

SMS IN GPRS

Country of registration:

CN

Application no.:

Patent no.:

98800595.6

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: **GSM**

Title: SMS IN GPRS

Country of registration: CA Application no.: 2257189

Patent no.:

Countries applicable: ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: PCT

Application no.: PCT/FI97/00298

Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration:

Application no.: 08/983318, CPA08/983318

US

Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: Application no.: 98924337,3

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: US Application no.: 08/952047

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

ΑU

Project: **GSM**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: Application no.:

76563/98 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

DF

Title:

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration:

Application no.: Patent no.:

19648077,9 19648077

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Nokia Corporation GSM

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration: Application no.:

Patent no.:

08/974249

US

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

RU

99112946

Title:

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: GSM

Title:

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE RADIO NETWORK

JP

10-523228

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE RADIO NETWORK

FPO

Country of registration:

Application no.:

Patent no.:

97952791,8

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration: Application no.:

CN

Patent no.:

Countries applicable:

ETSI Deliverable:

97199777,2

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name:

Nokia Corporation

Project:

GSM

BR

Title:

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration:

Application no.: Patent no.:

9713095-6

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM Title:

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration:

Application no.:

IN 379/MAS/97

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

CN 98806506,1

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration:

942702

Application no.: Patent no.:

98427

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: SG

Application no.:

9705652-7 50110

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Country of registration:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM AU

Application no.: Patent no.:

35239/95 701594

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: FI
Application no.: 944487
Patent no.: 96557

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: US Application no.: 462160 Patent no.: 5729541

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: JP 7-140936

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM
Country of registration: IN

Country of registration: Application no.:

Application no.: 658/MAS/95 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

CN

95195966.2

Project: GSM

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: CN **Application no.:** 95108589,1

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: FPO Application no.: 95932031

Patent no.:

Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: US Application no.: 08/737447 Patent no.: 6005857

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: NO Application no.: 964747

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM .IP

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.:

FPO 95918001

7529391

Patent no.: Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

Title:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE TELECOMMUNICATIONS SYSTEM

Country of registration:

Application no.:

CN

Patent no.:

95193002,8

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name:

Nokia Corporation

Project:

Title:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.: Patent no.:

AU 2410395 688903

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM Title:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.:

FI 942190

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: Application no.:

EPO 95303825,4

Patent no.: Countries applicable:

ETSI Deliverable:

AT, CH, DE, FR, GB, IT, LI, NL, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Application no.: Patent no.:

944488 96558

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Application no.: Patent no.:

KR 701981

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.:

.IP 8-511421

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: ΗK Application no.: 98100325,5

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

FΙ 971270

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: FPO Application no.: 95932032

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Nokia Corporation

ETSI Deliverable: Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM** DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CN Application no.: 95195967

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.:

CA 2200308

GSM

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: ΑU Application no.: 35240/95 Patent no.: 696802 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name:

Nokia Corporation

Project:

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.: Patent no.:

NO P960118

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

US 8676023

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM US

08/817963

Title:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

SG

Project: Title:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.: Patent no.:

9701460-9 39174

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM KR

Country of registration: Application no.:

Patent no.:

701980

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

8-511420

Title: Country of registration: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM JP

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: ΗK Application no.: 98100351,6

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

FΙ 971269

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A multi-function telephone apparatus

CA

2200307

Country of registration: FΙ Application no.: 902504 Patent no.: 88843

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Virtual packet channel over cellular network

Country of registration: US Application no.: 724375 Patent no.: 5802465

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Virtual packet channel over cellular network Title:

Country of registration: US Application no.: 301340 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Virtual packet channel over cellular network

Country of registration: JΡ Application no.: 6-213046

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Virtual packet channel over cellular network

Country of registration: **EPO** Application no.: 94306531,8

Patent no.:

Countries applicable:

AT, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Virtual packet channel over cellular network Title:

P9400344

FF

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Virtual packet channel over cellular network CN

Country of registration: Application no.:

95100020,9 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration: US

Application no.: 08/591557CPA Patent no.: 5898925

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A multi-fonction telephone apparatus Title:

Country of registration: **EPO** 91304533,2 Application no.: Patent no.: 458563

Countries applicable: **ETSI Deliverable:**

DE, DK, ES, FR, GB, IT, NL, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

540

Company name:

Nokia Corporation

Project:

GSM

Title:

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration:

Application no.:

CN 95192480.X

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: Country of registration: Method for locking to the user's card in a portable radio telephone US

Application no.: Patent no.:

221079 4868846

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

Method for locking to the user's card in a portable radio telephone PT

Country of registration: Application no.: Patent no.:

88126 88126

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: Patent no.:

NO 883330 173679

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method for locking to the user's card in a portable radio telephone JP

Country of registration: Application no.: Patent no.:

88187037 2786205

GSM

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: Patent no.:

EPO 88306554 301740

Countries applicable: **ETSI Deliverable:**

DE, FR, GB, IT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 884219 Patent no.: 169158

Countries applicable: ETSI Deliverable:

DE, FR, GB, IT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 873309 Patent no.: 77550

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Virtual packet channel over cellular network Title:

Country of registration: FΙ Application no.: 933894 Patent no.: 97517

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE Title:

Country of registration: CN Application no.: 95105074,5

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

US

Project: **GSM**

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration:

Application no.: CPA 08/817331

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration: Application no.:

JΡ 7-529392

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

542

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.:

95918002,7

Patent no.: Countries applicable: FPO

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: Application no.:

CN

Patent no.:

95190411,6

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

ALI

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.: Patent no.:

24104/95 682112

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: Application no.: Patent no.:

942191 96468

GSM

FΙ

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

Country of registration:

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Application no.:

US 09/255325

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION **SYSTEM**

Country of registration: Application no.:

FΙ 941652

Patent no.: Countries applicable: **ETSI Deliverable:**

95984

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: **EPO** Application no.: 95303040

Patent no.: Countries applicable:

AT, DE, FR, GB, IT, NL, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM Country of registration: ΑU 2778795 Application no.: Patent no.: 694242

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: ΑU Application no.: 17857/95 Patent no.: 708729

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: FI Application no.: 942038 Patent no.: 98426

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration:

US Application no.: 718512 Patent no.:

Countries applicable:

5889770

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM JΡ

Country of registration: Application no.:

Patent no.:

7526100

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name:

Nokia Corporation

Project:

GSM

HK

Title:

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration:

Application no.:

98112522,5

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: Application no.:

FPO 95915211,7

Patent no.:

Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

US

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.:

08/591557

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration:

Application no.:

IN 535/MAS/95

GSM

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Notes:

GSM

Title:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS NO

Country of registration: Application no.:

Patent no.:

973177

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM ES

Title:

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: Application no.: Patent no.:

9502309 9502309

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration:

Application no.: 19546577,6

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration:

CN Application no.:

95197523,4

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CH

Project: **GSM**

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration:

Application no.: 03511/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: ΑIJ 42618/96 Application no.: Patent no.: 694928

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: FΙ Application no.: 950419 Patent no.: 99066

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration: US Application no.: 582915 Patent no.: 5729534

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

Title:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS

Country of registration: Application no.: Patent no.:

SG 9705557 49522

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: Application no.:

JΡ 8-523281

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS .IP

Country of registration: Application no.:

Patent no.:

8-521459

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS HK

Country of registration:

Application no.:

98102855.3

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS FPO

Country of registration: Application no.:

Patent no.:

96900336.7

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS CN

Country of registration:

Application no.:

96191857,.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration: CA 2209715

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS

ΑU Country of registration: Application no.: 43928/96 Patent no.: 702765

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: SG Application no.: 9701451-8 Patent no.: 39164 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration: Application no.: 08/875464 Patent no.: 5970059

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration:

Application no.: 96901820.9

Patent no.:

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

FPO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.:

JΡ 8-526637

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: ΗK Application no.: 98102849,2

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: EPO Application no.: 96904117,7

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: CN

Application no.: 96192381,4

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: CA Application no.: 2211095 Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: ΑU Application no.: 48332/96 Patent no.: 703855

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.: 951019 Patent no.: 100212

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

549

Company name:

Nokia Corporation

Project:

Title:

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: Application no.: Patent no.:

9514959 9514959

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS JP

Country of registration: Application no.:

Patent no.:

8-524688

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: Application no.: Patent no.:

GB 9525966.9 2297669

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS CN

Country of registration: Application no.:

Patent no.:

96191948,5

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM FOR EFFECTING PAYMENTS

AU

Country of registration: Application no.: Patent no.:

46247/96 696876

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration: Application no.: Patent no.:

950685 99071

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: US **Application no.:** 08/875652

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: SE Application no.: 9504541-5 Patent no.: 506999

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: NL
Application no.: 1001927
Patent no.: 1001927

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: SE 9600060-9

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration:USApplication no.:08/597845Patent no.:5887266

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: FR **Application no.:** 9513774

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: ΑU Application no.: 41186/96 Patent no.: 699810

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.: 945817 Patent no.: 97187

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

US

08/836969

Project: **GSM**

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: SF Application no.: 9504067-1 Patent no.: 9504067-1

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: NL Application no.: 1001744 Patent no.: 1001744

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: 97-703369 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration:

Application no.: 950116 Patent no.: 98586 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: GB Application no.: 9522534.8 Patent no.: 2295525

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: **EPO** Application no.: 95939304,2

Countries applicable:

Patent no.:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Notes:

Nokia Corporation

Project: Title:

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: FS Application no.: P9502237 Patent no.: 9502237

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: DF

Application no.:

Patent no.:

19543253,3

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration:

CN

Application no.: 95197341.X

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: Application no.: 39849/95 Patent no.: 695635

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: Application no.: A1926/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: FΙ Application no.: 945540 Patent no.: 99076

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE Title:

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration:

Application no.: 08/763970, 09/827593 6249584

Patent no.: Countries applicable:

ETSI Deliverable:

TS03.20, 02.07, 02.09 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM JΡ

Country of registration: Application no.: 8-518298

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration: AT Application no.: A1989/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: NL Application no.: 1002023 Patent no.: 1002023

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration:
Application no.:

97-704355

KR

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: JP Application no.: 8-522063

Patent no.:

Countries applicable: ETSI Deliverable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration:

Application no.: MI96A000017
Patent no.: 1281596

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: GB Application no.: 9600378,5 Patent no.: 2296844

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: FR
Application no.: 9514477

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: Application no.: 19543845

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.:

CA 2207043

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration: ΑU Application no.: 43927/96 Patent no.: 692036

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: CN Application no.: 95196707.X

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: Application no.:

FΙ 950097

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM** Title:

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: US 08/860426 Application no.: Patent no.: 5966374

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: SG Application no.: 9702660-3 Patent no.: 42544

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.:

NO 972629

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title: JP

Country of registration: Application no.:

Patent no.:

8-517347 Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

HK

98103081,7

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.:

US 08/817331

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CN

Project: **GSM**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration:

Application no.: 96191381,9 Patent no.:

Countries applicable:

Title:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: Patent no.:

9600437-9

SF

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM Title:

METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: Application no.:

FPO 96660094.2

Patent no.:

Countries applicable:

ETSI Deliverable:

TS03.20, 02.07, 02.09

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

CN 96193196,5

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration:

2213740 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

CA

Title: Country of registration: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Application no.:

BR PI9607144.3

Patent no.:

ETSI Deliverable:

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: Application no.:

ΑU 47811/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

Title:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

AR

Application no.: Patent no.:

P960101681

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: Country of registration: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH EPO

Application no.: Patent no.:

96903854,6 516621

Countries applicable:

ETSI Deliverable:

Notes:

DE, ES, FR, GB, IT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

96/0852 96/0852

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

9650035 9650035

ES

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

97114804

Project: Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH RU

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

NO 973472

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

559

Company name:

Nokia Corporation

Project:

MY

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: Patent no.:

PI9600300

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

MX 975997

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

KR

705372

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH JP

Country of registration:

Application no.: Patent no.:

523852/96

GSM

Countries applicable:

ETSI Deliverable:

Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: **GSM**

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

UD96A000012

IT

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: Country of registration: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH US

Application no.: Patent no.: Countries applicable: 509525 5701392

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

Title:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

MX97/06885

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM Country of registration:

NO 960979

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM JΡ

Country of registration: Application no.:

8-504136

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: Application no.:

EPO 95924336.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration:

CN

Application no.: Patent no.:

95190620,8

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

GSM

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS **SYSTEM**

Country of registration: Application no.:

ΑU 28887/95

Patent no.: Countries applicable: **ETSI Deliverable:**

695150

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

DE

MY

PI9600844

19609170,5

Title:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

SF 9600918-8

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

2000-557636

Project: Title:

GSM MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK JP

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.121, TS23.060, TS25.413, TS24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

97-706298

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Country of registration: KR

Application no.: Patent no.:

Countries applicable:

Notes:

Project:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

GSM

527130/96

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

.IP

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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Company name: **Nokia Corporation**

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

Application no.: TO96A000174 Patent no.: 1285305

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

IN

Project: GSM

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration:

Application no.: 422CAL96

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: HK Application no.: 98100818,3 Patent no.: HK1001846

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM Title:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: GB Application no.: 9605123 Patent no.: 2299001

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

FR 9602957

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Point-to-multipoint mobile radio transmission Title:

Country of registration:

Application no.: 2000-506780 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: Application no.: 08/659590 Patent no.: 6081534

Countries applicable:

ETSI Deliverable: 01.48

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: GB Application no.: 9525018.9 Patent no.: 2296161 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: FR Application no.: 9514476 Patent no.: 9514476

Countries applicable:

ETSI Deliverable:

01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: Application no.: 945844 Patent no.: 104870 Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: DF

Application no.:

Patent no.:

19545767.6

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: DATA TRANSMISSION METHOD

Country of registration: CN

Application no.: 95196747.9

Patent no.: Countries applicable:

ETSI Deliverable:

01.48

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: CH Application no.: 3510/95 Patent no.: 691647 Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: **PCT**

Application no.:

PCT/FI99/00564 Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.121, TS23.060, TS25.413, TS24.008

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Implementation of mutual rate adaptations in data services between GSM and DECT Title:

Country of registration: PCT

Application no.:

PCT/FI96/00305

01.48

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DATA TRANSMISSION METHOD Title: SF

Country of registration: Application no.:

9504420-2

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: RÚ Application no.: 97119934 Patent no.: 2153238

Countries applicable:

ETSI Deliverable: 01.48

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: JΡ Application no.: 8-136887

Patent no.:

Countries applicable: ETSI Deliverable:

01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: FΙ Application no.: 952813 Patent no.: 98176

Countries applicable:

ETSI Deliverable:

01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: **EPO** Application no.: 96304138.9

Patent no.:

Countries applicable:

ETSI Deliverable:

01.48

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT CN

Country of registration:

Application no.:

96195981.9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: Application no.: 58218/96 Patent no.: 716363 Countries applicable:

ETSI Deliverable:

01.48

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF Title:

Country of registration: PCT

PCT/FI01/00299 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04 60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: AT Application no.: A1990/95 Patent no.: 408171

Countries applicable:

ETSI Deliverable:

01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SPEECH CODING Title:

Country of registration:

Application no.: 876/MAS/98

Patent no.:

Countries applicable: ETSI Deliverable:

TS26.190, 06.90 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: ΑU Application no.: 52633/96 Patent no.: 697256 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: Application no.: 981485 Patent no.: 106512

Countries applicable:

ETSI Deliverable: TS23.121, TS23.060, TS25.413, TS24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK Title:

Country of registration: Application no.:

FPO 99932900.6

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.121, TS23.060, TS25.413, TS24.008

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration:

CN

Application no.:

99801026.X

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.121, TS23.060, TS25.413, TS24.008

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: Application no.:

CA 2301674

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.121, TS23.060, TS25.413, TS24.008

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM SPEECH CODING

Title:

PCT

Country of registration:

PCT/FI98/00229

Application no.:

Patent no.: Countries applicable:

TS26.190.06.90

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: **GSM**

Title: SPEECH CODING

Country of registration: US Application no.: 09/073697 Patent no.: 6199035

Countries applicable:

ETSI Deliverable:

TS26.190.06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: IΤ

Application no.: MI95A002579 Patent no.: 1277976

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SPEECH CODING Title:

Country of registration: JP

Application no.: 113808/1998

Patent no.:

Countries applicable:

ETSI Deliverable: TS26.190, 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

08-518306

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM** Title:

SPEECH CODING

Country of registration:

FΙ 980502

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS26.190.06.90

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SPEECH CODING

Country of registration: FPO Application no.: 98104785.5

Patent no.:

Countries applicable:

ETSI Deliverable: TS26.190.06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH CODING Title:

CN

Country of registration: Application no.:

98804901.5 Patent no.:

Countries applicable:

ETSI Deliverable:

TS26,190, 06,90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM** Title:

SPEECH CODING

Country of registration:

ΑU Application no.: 64032/98

Patent no.:

Countries applicable:

ETSI Deliverable:

TS26.190, 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: PCT

Application no.:

PCT/FI95/00674

Patent no.: Countries applicable:

ETSI Deliverable:

01.48

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: US Application no.: 08/849504 Patent no.: 6122498

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

570

Company name: **Nokia Corporation**

Project:

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: 09/510893 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

TS23.121, TS23.060, TS25.413, TS24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH CODING Title:

KR

EPO

98909513.8

99-7009481

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS26,190, 06,90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method for de-allocation of GPRS phycial channel

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

Country of registration: HK 01101363.6

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

Point-to-multipoint mobile radio transmission

Country of registration:

EPO 98925675.5

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Point-to-multipoint mobile radio transmission

Country of registration: CN Application no.: 98808034.6

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

> AU 77698/98

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method for de-allocation of GPRS phycial channel US

09/603167

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method for de-allocation of GPRS phycial channel Title:

99124596

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

FPO

98912514.1

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Title: Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: Method for de-allocation of GPRS phycial channel

Country of registration: Application no.: 971697 Patent no.: 105136

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Data transfer in a mobile telephone network

98804343.2

Country of registration: AT Application no.: A1348/98 Patent no.: 407.686

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

Method for de-allocation of GPRS phycial channel CN

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Method for de-allocation of GPRS phycial channel Title: ΑU

64018/98

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: A method for reducing the number of GSM bearer services FPO

Country of registration: Application no.:

96931826.0

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: US Application no.: 09/171968

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration: Application no.:

NO 985510

JP

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration:

Application no.: 10-541193

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM US

Country of registration:

Application no.: 08/612934 Patent no.: 5862178

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

Method for de-allocation of GPRS phycial channel

Country of registration:

JP

10-545065

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration:

ΗK Application no.: 01103066.2

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

Title:

Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

CN

Application no.: Patent no.:

98810820.8

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

ΑU 94433/98

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

Subnetwork dependent convergence protocol for a mobile radio network AT

Country of registration:

Application no.:

Patent no.:

A1775/98

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Data transfer in a mobile telephone network

Country of registration:

US

Application no.:

09/134615

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: Data transfer in a mobile telephone network

Country of registration: SF Application no.: 9802745-1

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transfer in a mobile telephone network

RU

Country of registration:

Application no.: 2000106559

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **GSM**

Data transfer in a mobile telephone network

Country of registration:

NI Application no.: 1009737 Patent no.: 1009737

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM** Title:

Point-to-multipoint mobile radio transmission

Country of registration:

Application no.:

Patent no.:

2000105897

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

Data transfer in a mobile telephone network IT

Country of registration:

Application no.: MI98A001897 Patent no.: 1302155

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

576

Company name: **Nokia Corporation**

Project:

Title: Point-to-multipoint mobile radio transmission

Country of registration: US Application no.: 09/132122

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Data transfer in a mobile telephone network

9818013.6

GB

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Data transfer in a mobile telephone network Title:

Country of registration: FR Application no.: 9810440

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: Application no.: 973373 Patent no.: 106175

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

Data transfer in a mobile telephone network DF

Country of registration: Application no.:

Patent no.:

19835427.4

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

577

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: CN Application no.: 98810085.1

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transfer in a mobile telephone network

84437/98

AU

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration:

CN 98800380.5

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: 2000-510263

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.: Patent no.:

62309/96 714742

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

578

Company name:

Nokia Corporation

Project:

GSM

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

RU 98101107

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

.IP 9-502809

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

1054/MAS/96

Project:

GSM

IN

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: GSM

Title: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH FS

Country of registration:

Application no.: Patent no.:

P9750009

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

FPO 96920925,3

Patent no.: Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

CN

Patent no.:

Countries applicable:

ETSI Deliverable:

96196226,7

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: FΙ Application no.: 971319 Patent no.: 104874

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF Title:

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

Patent no.:

BR

9608479-0

A935/96

405346

GB

9512284,2

714752

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Nokia Corporation

Project: **GSM**

Title: A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver ΑT

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF Title:

THE SYNTHESIZED SPEECH

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

08-529817

Project: Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH JΡ

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration:

Application no.: Patent no.:

EPO 96908945,7

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

CN

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration:

Application no.:

96193827,7

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration: Application no.:

CA 2216315

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

BR

9604838,7

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Project:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

GSM

Title: MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN **PCT**

Country of registration:

Application no.: Patent no.:

PCT/FI00/00199

Countries applicable:

ETSI Deliverable:

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

CA 2224688

GSM

Patent no.: Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: Application no.:

FR 9607841 2736186

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: **GSM**

Title: PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: ΑU Application no.: 67316/98

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

GSM

Title:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: Application no.: 28959/97 Patent no.: 738573 Countries applicable:

ETSI Deliverable: TS 03.71

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver US

Country of registration: Application no.:

Patent no.:

08/672932 5835889

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Nokia Corporation GSM

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver SF

Country of registration:

Application no.: Patent no.:

9602230-6

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver RU

Country of registration:

Application no.: Patent no.:

PCT/FI96/00369

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

582

Company name:

Nokia Corporation

Project:

GSM

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.: Patent no.:

MX 9710357

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: Application no.:

.IP 9-504848

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

US

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

Application no.: Patent no.:

662991 5946651

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver GB

Country of registration: Application no.:

Patent no.:

9612833,5 2303034

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver FΙ

Country of registration: Application no.:

Patent no.:

953252

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: Application no.: Patent no.:

ES 9601195 9601195

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

DF

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.:

19617630,1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.: Patent no.:

CN 96195176,1

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

CA

2222501

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.: Patent no.:

PI9608734-0

GSM

BT

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation

Company name: Project:

GSM

Title: A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver ΑŪ

Country of registration:

Application no.: 62260 701220 Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Nokia Corporation

GSM

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration: Application no.: Patent no.:

US 416019 5664053

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

584

Company name:

Nokia Corporation

Project:

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.: Patent no.:

MI96A/001200 1283133

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Title: Country of registration:

US

Application no.:

09/331765

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

03.73

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK TH

Country of registration: Application no.:

039898

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS03.33

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation

2000-514433

Company name: Project:

GSM JP

Title: Country of registration: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: Country of registration: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

HK

Application no.: Patent no.:

01102154.7

Countries applicable:

ETSI Deliverable:

TS03.33

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project:

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: Application no.: 973806 Patent no.: 106509

Countries applicable:

ETSI Deliverable: TS03.33

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

Country of registration: FPO 98946489.6 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

TS03.33

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

CN

Country of registration:

Application no.: 98810507.1

Patent no.:

Countries applicable:

ETSI Deliverable:

TS03.33

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: CN Application no.: 98801656.7

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: PCT

Application no.:

PCT/FI98/00004

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: CN Application no.: 96193095

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: Application no.:

9902730-2

SG

Patent no.: Countries applicable:

ETSI Deliverable: 03.73

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: PH Application no.: I-58910 Patent no.:

Countries applicable:

ETSI Deliverable:

03.73

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: MY Application no.: PI9706220

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: Application no.:

JP 10-529666

Patent no.:

Countries applicable:

ETSI Deliverable: 03.73

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: **GSM**

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration:

Application no.: 004/MAS/98

Patent no.: Countries applicable:

ETSI Deliverable:

03.73

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

FΙ

Project: **GSM**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: Application no.:

970035 Patent no.:

Countries applicable:

ETSI Deliverable: 03.73

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR MY

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS29.002, TS23.008, TS23.016, TS23002

2304172

98101406,9

PI9900302

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title: CA

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF

Country of registration: US Application no.: 09/824161

Patent no.: Countries applicable:

ETSI Deliverable:

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: FΙ Application no.: 980185 Patent no.: 106517

Countries applicable:

ETSI Deliverable: TS29.002, TS23.008, TS23.016, TS23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: **EPO**

Application no.: 99900903.8 Patent no.:

Countries applicable:

ETSI Deliverable:

Title:

TS29.002, TS23.008, TS23.016, TS23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: CN

Application no.:

Patent no.:

99800086.8

Countries applicable:

ETSI Deliverable:

TS29.002, TS23.008, TS23.016, TS23002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM** Title:

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR CA

Country of registration: Application no.:

2284718

Patent no.:

Countries applicable:

ETSI Deliverable: TS29.002, TS23.008, TS23.016, TS23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: PCT

Application no.: PCT/FI98/00762

Patent no.: Countries applicable:

ETSI Deliverable:

TS03.33

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

Country of registration: US Application no.:

09/509308 Patent no.:

Countries applicable:

ETSI Deliverable: TS03.33

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

198CAL96

9607026.9

Project: **GSM**

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

CA 2210765

Patent no:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GB

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: Patent no.:

9602391,6

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.: Patent no.:

FR 9601426 2730336

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

FΙ 973241

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Project:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

GSM

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH FS

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Company name:

Nokia Corporation

Project: Title:

GSM

9650025

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

FPO

Patent no.: Countries applicable: 96900816,8

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

DF

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

19604273,9

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: CA Application no.: 2276363

Patent no.: Countries applicable:

ETSI Deliverable:

03.73

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

Country of registration: TW Application no.: 86114332 Patent no.: 130601

Countries applicable:

ETSI Deliverable: TS03 33

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

Title:

METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: ES Application no.: 9701249 Patent no.: 9701249

Countries applicable:

ETSI Deliverable:

TS04.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: Application no.: 9702172-9 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title: NI

Country of registration: Application no.: Patent no.:

1006252

Countries applicable:

ETSI Deliverable: TS04.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: Application no.: 9-149370

Patent no.: Countries applicable:

ETSI Deliverable:

TS04.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration:

Application no.: MI97A/001335 Patent no.: 1292098 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title: IN

Country of registration:

Application no.: 1162/MAS/97

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: Application no.: 9711828.5 Patent no.: 2313989

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title: **EPO**

Country of registration: Application no.:

98900083.1

Patent no.:

Notes:

Countries applicable: ΗK **ETSI Deliverable:**

03.73

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: Application no.: 962352

Patent no.:

Countries applicable: ETSI Deliverable:

TS04.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.: Patent no.:

97182167.4

CN

Countries applicable:

ETSI Deliverable:

TS03.71

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration:

Application no.:

Patent no.:

19723659.6

Countries applicable:

ETSI Deliverable:

TS04.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: CN

97114807.4 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: AU Application no.: 23703/97 Patent no.: 724808

Countries applicable:

ETSI Deliverable: TS04.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC

Country of registration:

Application no.: 08/821537, 60/014338 6170073

Patent no.: Countries applicable:

ETSI Deliverable: 05.03

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC Title:

Country of registration: GB Application no.: 9606753.3 Patent no.: 2311699 Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC Title:

EPO Country of registration: Application no.: 97301741.1 Patent no.:

Countries applicable:

ETSI Deliverable:

05.03

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

Application no.:

Patent no.:

19847679.5

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Title: Country of registration: Application no.:

FR 9707028

Patent no.:

Countries applicable:

TS04.64

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

CA

1336454

44796/96

Project:

Title: VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH ΑU

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: AR Application no.: 335305

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH US

Country of registration: Application no.: 508801 Patent no.: 5754976

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US Application no.: 438703 Patent no.: 5699482

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

GSM

DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US Application no.: 927528 Patent no.: 5444816

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: **EPO** Application no.: 90915956,8 Patent no.: 516621

Countries applicable:

ETSI Deliverable:

AU, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES Title:

Country of registration: CA 2010830 Application no.: Patent no.: 2010930

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: US Application no.: 08/868914 Patent no.: 5987137 Countries applicable:

ETSI Deliverable:

TS04.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO Title:

Country of registration: **EPO** Application no.: 92108904,1 Patent no.: 516621 Countries applicable: DE, FR, GB, IT

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD FOR THE ENCRYPTION OF DATA TRANSFER Title:

Country of registration: PCT

Application no.: PCT/FI97/00350

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.64 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: GSM

VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO Title:

Country of registration: US Application no.: 35615 Patent no.: 4969192

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: **GSM**

Title: TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: US 09/098832 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

RU

Project: GSM

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration:

Application no.: PCT/FI98/00468

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: JP Application no.: 11-503836

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS03.71

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: FPO 97923049.7

Application no.: Patent no.:

Countries applicable:

10-548716

ETSI Deliverable:

TS03.71 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: US Application no.: 09/381334

Patent no.: Countries applicable:

ETSI Deliverable:

TS29.002, TS23.008, TS23.016, TS23002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO Title:

Country of registration: .IP

Application no.: 84973/1988 Patent no.: 2887286

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: FΙ Application no.: 982000

Patent no.: Countries applicable:

ETSI Deliverable:

TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TR04.60, TS05.02

CN

99814426.6

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: ΑU Application no.: 63435/99

Patent no.: Countries applicable:

ETSI Deliverable: TS05.08, TR04.60, TS05.02

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: PCT

Application no.: PCT/FI99/00760

Patent no.:

Countries applicable: **ETSI Deliverable:**

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: Application no.:

US 09/396853

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04 60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS RU

Country of registration: Application no.:

2001110093

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: KR 2001-7003007

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

99969235.3

Project: **GSM**

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER Title: **EPO**

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration:

Application no.: IN/PCT/2001/00346

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

TR04.60

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

IN

Project: **GSM**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS05.08, TR04.60, TS05.02

IN/PCT/2001/00527

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS **EPO**

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TR04.60

99946191.6

99810990.8

9913422-5

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title: CN

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title: BR

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration: PCT

Application no.: PCT/EP99/10439

Patent no.:

Countries applicable: **ETSI Deliverable:**

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER Title:

Country of registration: Application no.:

US 09/473789

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TR04 60

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

PCT/EP99/10439

Nokia Corporation

Title:

Country of registration:

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER JP

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration:

Application no.:

Patent no.:

11-538957

Countries applicable:

ETSI Deliverable:

TS29.002, TS23.008, TS23.016, TS23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title: JΡ

Country of registration:

Application no.:

Patent no.:

2000-570994

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: Application no.: 990390 Patent no.: 107862 Countries applicable:

ETSI Deliverable:

TS04.14

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE Title:

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: Application no.: 956036 Patent no.: 101670 Countries applicable:

ETSI Deliverable:

TS03.20, 02.07, 02.09

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: Title:

GSM MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: US Application no.: 09/527435

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN Title:

Country of registration: JP

2000-605421 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN Title:

Country of registration: Application no.: 990590 Patent no.: 106498

Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: FPO Application no.: 00912686.3

Patent no.: Countries applicable:

ETSI Deliverable:

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN Title:

Country of registration:

CN

Application no.: Patent no.:

00805040.6

Countries applicable:

ETSI Deliverable:

TR04 60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM

Title:

MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: **PCT**

Application no.:

PCT/FI00/00125

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS04.14

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title:

Country of registration: Application no.:

EPO 99950791.6

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TR04.60, TS05.02

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN Title:

Country of registration:

Application no.:

JΡ 2000-601868

Patent no.: Countries applicable:

ETSI Deliverable:

TS04.14

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: Application no.: 982251 Patent no.: 105312

Countries applicable:

ETSI Deliverable: TS05.08, TR04.60, TS05.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN Title:

Country of registration: Application no.:

FPO 00905105.3

Patent no.: Countries applicable:

ETSI Deliverable:

TS04 14

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **GSM**

MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN Title: CN

Country of registration:

Application no.: 00804208.X

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.14

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title:

Country of registration: PCT PCT/FI99/00854

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TR04.60, TS05.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title: US

Country of registration: Application no.:

09/419171

Patent no.:

Countries applicable:

ETSI Deliverable: TS05.08, TR04.60, TS05.02

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration:

Application no.: 2001113284

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS05.08, TR04.60, TS05.02

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title: JΡ

Country of registration:

Application no.: 2000-577850

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TR04.60, TS05.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER CN

Country of registration: Application no.:

99815352.4 Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN Title: US

Country of registration:

Application no.: 09/506.993

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title: JΡ

Country of registration:

Application no.:

Patent no.:

2000-588985

Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: Application no.: 09/914953

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.122 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

JΡ Country of registration:

Application no.: 2000-604637

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.122

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

FΙ

Country of registration:

Application no.: 990511

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.122 Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title: **EPO**

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.122

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title: CN

Country of registration:

Application no.:

Patent no.:

PCT/FI00/00179

00909387.3

Countries applicable:

ETSI Deliverable: TS23.122 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: PCT

Application no.: PCT/FI99/01048

Patent no.:

Countries applicable: **ETSI Deliverable:**

TR04.60

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER Title:

Country of registration: Application no.:

GB 9828875.6

7007419/2001

Nokia Corporation

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04 60 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

GSM Title:

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN KR

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM**

A NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS Title:

Country of registration: PCT/EP00/09206

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.18, TS05.08

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title: FΙ

Country of registration: Application no.:

982726

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable: TR04.60

> The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: Application no.: 99963616.0

Patent no.: Countries applicable:

ETSI Deliverable:

TR04.60

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: Application no.:

CN 99814390.1

CA

2352313

Patent no.:

Countries applicable: ETSI Deliverable:

TR04 60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: PI9916229-6

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: **7**A Application no.: 99/0669 Patent no.: 99/0669

Countries applicable: **ETSI Deliverable:**

TS29.002, TS23.008, TS23.016, TS23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: PCT

Application no.: PCT/FI99/00057

Patent no.: Countries applicable:

ETSI Deliverable:

TS29.002, TS23.008, TS23.016, TS23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: Application no.:

09/831689

US

Patent no.:

Countries applicable: ETSI Deliverable:

TR04 60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

2412/00

Project: **GSM**

Title:

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS CH

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04.14

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration:

Application no.:

Patent no.:

PCT/FI99/00481

Countries applicable:

ETSI Deliverable:

PCT

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS US

Country of registration:

09/325617

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

TS04.14

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration:

Application no.: 2000-552855

Patent no.:

Countries applicable:

ETSI Deliverable: TS04.14

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS04 14

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

GB

0029271.4

Project: **GSM**

Title:

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS FΙ

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

106834 TS04.14

ES

981267

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration:

Application no.: 200050078

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: Application no.:

EPO

Patent no.:

99929361.6

Countries applicable:

ETSI Deliverable: TS04.14

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: GSM

Title: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: PCT

Application no.: PCT/FI00/00179

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.122

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: Application no.:

CN 99809347.5

Patent no.:

Countries applicable:

ETSI Deliverable:

TS04 14

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **GSM**

A NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS

Country of registration:

GB 9922217.6

Application no.:

Patent no.:

Countries applicable:

TS04.18, TS05.08

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: Application no.:

46197/99

ΑU

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

IPV6 ADDRESS ACQUISITION IN GPRS Title:

Country of registration: PCT

Application no.:

PCT/FI01/00034

Patent no.:

Countries applicable:

TS23,060

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: IPV6 ADDRESS ACQUISITION IN GPRS

Country of registration: US

Application no.: 09/765190

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.060

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

IPV6 ADDRESS ACQUISITION IN GPRS Title:

TS05.08

9922204.4

20000779

FΙ

Country of registration: Application no.:

20000121

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title:

ALTERNATIVE NEIGHBOUR REPORTING PROPOSAL

Country of registration: **PCT**

Application no.: PCT/IB00/01316 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

ALTERNATIVE NEIGHBOUR REPORTING PROPOSAL Title: GB

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF Title: FΙ

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration:

Application no.: 19983271.4

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS04.14

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: KR

Application no.: 7015377/2001

Patent no.:

Countries applicable: KR

3GPP TS 23.002; ETSI TS 123 002 ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: INTER-SYSTEM HANDOVER

Country of registration: .IP

Application no.: 2001-525995 Patent no.:

Countries applicable:

JΡ

ETSI Deliverable:

3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.: Patent no.:

09/097137

Countries applicable:

ETSI Deliverable:

TS05.08, TS04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: INTER-SYSTEM HANDOVER

Country of registration: US

Application no.: 09/406209

Patent no.:

Countries applicable: US

ETSI Deliverable:

3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.: PCT/FI98/00524 Patent no.:

Countries applicable:

ETSI Deliverable: TS05.08, TS04.18

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

INTER-SYSTEM HANDOVER Title:

Country of registration: **EPO** Application no.: 00954846.2 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: ALI 53248/98 Application no.: Patent no.: 728514

Countries applicable:

ETSI Deliverable: 03.73

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: US Application no.: 09/997200

Patent no.:

Countries applicable: LIS

ETSI Deliverable: 3GPP TS 23.002; ETSI TS 123 002 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: BR

Application no.: PI9917334-4

Patent no.:

Countries applicable: BR

ETSI Deliverable: 3GPP TS 23.002; ETSI TS 123 002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: TRANSMISSION AND INTERCONNECTION METHOD

Country of registration: CA Application no.: 2374847

Patent no.: Countries applicable:

ETSI Deliverable: 3GPP TS 23.002; ETSI TS 123 002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: **PCT**

Application no.: PCT/FI99/00706 Patent no.: WO 00/13448

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: **GSM** Title:

TRANSMISSION AND INTERCONNECTION METHOD

Country of registration: Application no.:

99927811.2

Patent no.:

EPO

EPO

Countries applicable: **ETSI Deliverable:**

3GPP TS 23.002; ETSI TS 123 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION HK

Country of registration:

Application no.:

01101873.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TS04.18

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration:

ΑU Application no.: Patent no.: AU 54016/96 709150

Countries applicable:

ETSI Deliverable:

02.34. TS05.05, TS03.34

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

TRANSMISSION AND INTERCONNECTION METHOD

Country of registration:

JΡ

Application no.: Patent no.:

2001-500582

Countries applicable:

JΡ

ETSI Deliverable:

3GPP TS 23.002: ETSI TS 123 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

PCT

Title:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.: Patent no.:

PCT/EP97/02400

Countries applicable:

ETSI Deliverable:

TS03.71

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project: Title:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: Application no.:

US

Patent no.:

09/423373

Countries applicable: **ETSI Deliverable:**

Notes:

TS03.71

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A RADIO NETWORK INCORPORATING THE SAME

NO

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS03.71

19995452

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN **DATA FRAMES**

Country of registration:

IT

Application no.:

MI99A001858

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

JΡ 11-247569

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

KR

Country of registration:

Application no.: 2001-7002028 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

INBAND SIGNALLING ON SACCH Title: US

Country of registration: Application no.: Patent no.:

09/845823

I-57073

Countries applicable:

US

ETSI Deliverable: 3GPP TS 45.001 V5.3.0; ETSI TS 145 001 V5.3.0; 3GPP TS 45.003 V5.5.0; ETSI 145 003 V5.5.0; 3GPP

TS 45.008; ETSI TS 145 008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title:

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA PH

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: CN

Application no.: 999816695.2

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 23.002; ETSI TS 123 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: FΙ Application no.: 951971 Patent no.: 101114

Countries applicable:

ETSI Deliverable: 02.34. TS05.05, TS03.34

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration:

Application no.: 1942/MAS/97

Patent no.: Countries applicable:

ETSI Deliverable:

TS05.09, 05.03

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: Application no.:

TH 039370

Patent no.:

Countries applicable: ETSI Deliverable:

TS05.09, 05.03

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

PRIORITIZATION BY PREEMPTION ON MAC Title:

Country of registration: **PCT**

Application no.: WO02/091763

Patent no.:

FΙ

963677

TS05.09, 05.03

Countries applicable:

PCT

3GPP TS 44.160 V5.1.0; ETSI TS 144 160 V5.1.0 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: US Application no.: 09/254890

Patent no.:

Countries applicable:

ETSI Deliverable: TS05.09, 05.03

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: PCT

Application no.: PCT/FI96/00225

Patent no.: Countries applicable:

ETSI Deliverable:

02.34, TS05.05, TS03.34

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

INBAND SIGNALLING ON SACCH Title:

Country of registration: PCT

PCT/IB02/01443 Application no.:

Patent no.:

Countries applicable: PCT

ETSI Deliverable: 3GPP TS 45.001 V5.3.0; ETSI TS 145 001 V5.3.0; 3GPP TS 45.003 V5.5.0; ETSI 145 003 V5.5.0; 3GPP

TS 45.008; ETSI TS 145 008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: US Application no.: 08/945387 Patent no.: 6240076

Countries applicable:

ETSI Deliverable: 02.34. TS05.05, TS03.34

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: PCT

Application no.: PCT/FI97/00552

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: JP Application no.:

Patent no:

8-532200

TS05.09, 05.03

Countries applicable:

ETSI Deliverable: 02.34. TS05.05, TS03.34

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Nokia Corporation

Project:

GSM

.IP

Title:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.:

11-509387

Patent no.: Countries applicable:

ETSI Deliverable:

TS05.08, TS04.18

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: Application no.:

953252 105001

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM INTER-SYSTEM HANDOVER

Country of registration:

CN

Application no.:

00814585.7

Patent no.:

CN

Countries applicable: ETSI Deliverable:

Notes:

3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation GSM

Project: Title:

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS **EPO**

Country of registration: Application no.:

96910991.7

Patent no.:

Countries applicable:

ETSI Deliverable:

02.34. TS05.05, TS03.34

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

GSM

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration: Application no.:

CN 98808312.4

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

TS05.08, TS04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: CN

Application no.: 96193504.9

Patent no.:

Countries applicable:

ETSI Deliverable: 02.34, TS05.05, TS03.34

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

INTER-SYSTEM HANDOVER Title:

Country of registration: KR

7003880/2002 Application no.:

Patent no.:

Countries applicable: KR

ETSI Deliverable:

3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: CA Application no.: 2219323

Patent no.: Countries applicable:

ETSI Deliverable:

02.34. TS05.05, TS03.34

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.:

98304790.3

EPO

Patent no.:

Countries applicable:

ETSI Deliverable:

TS05.08, TS04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: INTER-SYSTEM HANDOVER

Country of registration: BR

Application no.: PI0014248-4

Patent no:

Countries applicable:

ETSI Deliverable: 3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.: 972604 Patent no.: 105251

Countries applicable:

ETSI Deliverable: TS05.08, TS04.18

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **GSM**

Title: INTER-SYSTEM HANDOVER CA

Country of registration:

Application no.: PCT/IB00/01271

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

3GPP TS 44.018 V4.11.0; ETSI TS 144 018 V4.11.0; 3GPP TS 48.008 V4.7.0; ETSI TS 148 008 V4.7.0 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: **GSM**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES US

Country of registration:

Application no.: 09/387369

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 45.003, TS06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL Title:

Country of registration: ΑU Application no.: 70865/96 Patent no.: 715225

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

GSM

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration:

PCT

Application no.: Patent no.:

PCT/IB00/00825

Countries applicable:

PCT

ETSI Deliverable:

3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: TH Application no.: 037900

Patent no.: Countries applicable:

ETSI Deliverable:

03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: FPO Application no.: 99945702.1

Patent no.:

Countries applicable: EPO

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT Title:

Country of registration: **EPO** Application no.: 98961150.4 Patent no.:

Countries applicable: EPO

ETSI Deliverable: 3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: Application no.: 980724 106602 Patent no.: Countries applicable: FΙ

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT Title:

Country of registration: JΡ

Application no.: 2000-581821

Patent no.:

Countries applicable: JΡ

3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: Application no.:

US 09/677114

Patent no.:

Countries applicable:

3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT

Country of registration: MX

Application no.: PA/A/2001/004577

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

GSM

Project:

Title: TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME

Country of registration: US Application no.: 10/200930 Patent no.: 6456237 Countries applicable: US

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT Title:

Country of registration: US Application no.: 09/844879 Patent no.:

Countries applicable: US

3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: NO NO 20004893 Application no.: Patent no.:

Countries applicable: NO

ETSI Deliverable: 3GPP TS 03.71 V7.9.0: ETSI TS 101 724 V7.9.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration: US Application no.: Patent no.:

09/476404

Countries applicable:

US

ETSI Deliverable: 3GPP TS 45.001: ETSLTS 145 001: 3GPP TS 45.010: ETSLTS 145 010: 3GPP TS 45.002: ETSLTS 145

002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME

Country of registration: CN Application no.: 99804679.5 Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **GSM**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: Application no.: 962128 Patent no.: 103170

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT Title:

Country of registration: CA Application no.: 2348908 Patent no.:

Countries applicable:

CA

3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347 ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: **EPO** Application no.: 97923109.9 Patent no.:

Countries applicable:

ETSI Deliverable:

03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration: RU

2001135850 Application no.:

Patent no.: Countries applicable:

RU

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title:

WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration: ΑIJ Application no.: 50975/00 Patent no.:

Countries applicable: ΑIJ

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145 002

> The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

JΡ Country of registration:

Application no.: 2001-500584

Patent no.:

Notes:

Countries applicable: .IP

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration: CN Application no.: 808273.1

Patent no.: Countries applicable: CN

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS

Country of registration: IN

2001/01486 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: CN Application no.: 97190580.0

Patent no.: Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

WIRELESS TELECOMMUNICATIONS SYSTEM EMPLOYING DYNAMIC MULTISLOT CLASS Title:

Country of registration:

Application no.: Patent no.:

935436.6

Countries applicable:

FPO

ETSI Deliverable: 3GPP TS 45.001; ETSI TS 145 001; 3GPP TS 45.010; ETSI TS 145 010; 3GPP TS 45.002; ETSI TS 145

FPO

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: CA Application no.:

2227061 Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: Application no.: 29001/97 Patent no.: 718787

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.: 09/965303, 09/371332, 031047; 031321

Patent no.: 5960389

Countries applicable:

ETSI Deliverable: TS 26.193, TS26.192

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: Application no.:

98101723 Patent no.: 2158446

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD AND APPARATUS FOR PERFORMING NEIGHBOR CELL SIGNAL STRENGTH Title:

MEASUREMENTS FOR DISCONTINUOUSLY TRANSMITTING BROADCAST CARRIERS

Country of registration: LIS

Application no.: 09/884678 Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 05.08 V8.7.1; ETSI TS 100 911 V8.7.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title: JΡ

Country of registration: Application no.: Patent no.:

9-313957

Countries applicable:

ETSI Deliverable: TS 26.193, TS26.192

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: Application no.: 9-541667

Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.: PI9705747.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192 Notes:

BR

CN

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation GSM

Project:

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.: 97126203.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192 Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration:

Application no.: Patent no.:

1263/MAS/97

Countries applicable:

ETSI Deliverable:

03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title: FPO

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.193, TS26.192

97309213.3

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project:

METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO Title:

ONE TEMPORARY BLOCK FLOW

Country of registration: US

Application no.: 90/573105 Patent no.: Countries applicable: US

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO

ONE TEMPORARY BLOCK FLOW

Country of registration: **BR**

Application no.: PI0110369-5

Patent no.:

Countries applicable: BR

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO

ONE TEMPORARY BLOCK FLOW

Country of registration: CA

Application no.: PCT/IB01/00684 Patent no.:

Countries applicable:

CA

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

CN

Project: GSM

Title: METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO

ONE TEMPORARY BLOCK FLOW

Country of registration:

Application no.: 1809537.2

Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO Title:

ONE TEMPORARY BLOCK FLOW

Country of registration: FPO

Application no.: 1921736.3 Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT

Country of registration: CN

Application no.: 98814343.7

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO Title:

ONE TEMPORARY BLOCK FLOW

JР Country of registration:

Application no.: 2001-585533 Patent no.:

Countries applicable:

JΡ

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: Application no.:

970105360

AR

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

Country of registration: FΙ 973303 Application no.: Patent no.: 105874

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO Title:

ONE TEMPORARY BLOCK FLOW

Country of registration: SG

Application no.: 200206706-4

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation GSM**

Project:

Title: TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME

Country of registration: ΑU Application no.: 59468/99 Patent no.: 755890 Countries applicable:

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

Title: METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO

ONE TEMPORARY BLOCK FLOW

Country of registration: ZΑ

Application no.: PCT/IB01/00684

Patent no.:

Countries applicable:

3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND SYSTEM FOR RESTORING A SUBSCRIBER CONTEXT

Country of registration: PCT

Application no.: PCT/EP98/07109

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 09.60; ETSI TS 101 347; ETSI EN 301 347

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: GSM

METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO Title:

ONE TEMPORARY BLOCK FLOW

Country of registration: KR

Application no.: 2002-7015235

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **GSM**

Title: TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME

Country of registration: JΡ

Application no.: 2000-544146

Patent no.:

JΡ

Countries applicable:

ETSI Deliverable: 3GPP TS 03.71 V7.9.0; ETSI TS 101 724 V7.9.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

Title: METHOD AND APPARATUS FOR MULTIPLEXING A PLURALITY OF DATA CONNECTIONS ONTO

ONE TEMPORARY BLOCK FLOW

Country of registration: **PCT** Application no.:

Patent no.:

PCT/IB01/00684

Countries applicable:

PCT

ETSI Deliverable: Notes:

3GPP TS 44.160; ETSI TS 144 160; 3GPP TS 44.060; ETSI TS 144 060 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: NTT Project: **GSM**

Encoding and Decoding Method for Speech Excitation Signals Title: JP

Country of registration:

Application no.: Patent no.:

JP3 - 167124

Countries applicable:

ETSI Deliverable:

JP

Notes:

Company name: NTT Project: **GSM**

Title: Speech Coding-Decoding Method

JP

Country of registration:

Application no.:

Patent no.:

JP3 - 117646

Countries applicable:

ETSI Deliverable: Notes:

Company name:

NTT

Project: Title:

GSM Sound Synthesizer

Country of registration:

GB

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

2 131 659 GB

Notes:

Company name:

NTT **GSM**

Project: Title:

Method and Apparatus for Multiplexed Vector Quantization

Country of registration: Application no.:

EPO

Patent no.: Countries applicable:

EP 0 314 018 CH, DE, FR, GB

ETSI Deliverable:

Notes:

Company name:

NTT

Project: Title:

Country of registration:

Method and Apparatus for Multiplexed Vector Quantization

Application no.:

Patent no.:

1 311 060

Countries applicable: **ETSI Deliverable:**

Notes:

CA

Company name: Project:

NTT GSM

Title:

Method and Apparatus for Multiplexed Vector Quantization

Country of registration:

Application no.:

JP

Patent no.: Countries applicable: 2 061 805 JP

ETSI Deliverable:

Notes:

NTT

Company name: Project:

GSM

Title: Country of registration: Method and Apparatus for Multiplexed Vector Quantization US

Application no.: Patent no.:

4 992 508

Countries applicable: **ETSI Deliverable:**

Notes:

US

Company name:

NTT GSM

Project: Title:

Speech Coding Method and Apparatus for the same

Country of registration:

EPO

Application no.:

EP 96202584.7 (Divided out of EP 93401656.9)

Patent no.:

Countries applicable:

DE, FR, GB, IT

ETSI Deliverable:

Notes:

Company name:

NTT **GSM**

Project:

All-pole Digital Filter

Title: Country of registration:

Application no.:

Patent no.:

JP 63 - 32288

Countries applicable:

ETSI Deliverable:

Notes:

JΡ

Company name:

NTT

NL

Project: Title:

GSM Sound Synthesizer

Country of registration:

Application no.:

Patent no.:

8 005 449

Countries applicable: **ETSI Deliverable:**

Notes:

NL

NTT Company name: Project: **GSM**

Speech Coding Method and Apparatus for the same Title: US

Country of registration: Application no.:

Patent no.: Countries applicable: 08/082 103 US

ETSI Deliverable:

Notes:

Company name: Project:

Title: Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

NTT

Speech Coding Method and Apparatus for the same EPO

EP 93401656.9 DE, FR, GB, IT

1 157 5634

NTT Company name: Project: **GSM** Sound Synthesizer Title:

Country of registration: CA

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Company name: NTT Project: **GSM**

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

CA

Country of registration:

Application no.: Patent no.:

EP 0 514 912 Countries applicable: DE, FR, GB **ETSI Deliverable:**

Notes:

Company name:

NTT Project: **GSM**

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

5 396 576 US

Notes:

Company name:

Project: Title:

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

NTT **GSM**

Sound Synthesizer

2 059 726 GB

Company name: NTT Project: **GSM**

Sound Synthesizer Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

8 006 850

SE

Company name:

NTT Project: **GSM** Sound Synthesizer Title:

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

4 393 272 US

NTT

GSM

DE

FR

FR

2 766 828

3 037 276

Sound Synthesizer

US

Company name: Project:

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

DE

Company name:

NTT Project: **GSM** Sound Synthesizer Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Company name: **Omnipoint** Project:

Title: Multipulse LPC Speech Processing Arrangement GB

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

GB AT&T have stated that all of the identified patents have corresponding foreign pending applications but

they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been

provided.

0 175 752

Company name: **Philips** Project: GSM

Multi-pulse excitation linear-predictive speech coder Title:

Country of registration: **EPO** Application no.: 86200434.8 EP 0 195 487 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Philips** Project: GSM Title:

Country of registration:

Application no.: Patent no.:

DE

Countries applicable: **ETSI Deliverable:**

Notes:

DE-PS 34 10 937

Company name: Philips
Project: GSM

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys.

Country of registration: EPO 83201766.9
Patent no.: EP 0 111 971 B1

Countries applicable: ETSI Deliverable:

Notes:

Company name: Philips
Project: GSM

Title: Dienstintegriertes Funkübertragungssystem

Country of registration: EPO 86200724.2 Patent no.: EPO 201 126 B1

Countries applicable: ETSI Deliverable:

Notes:

Company name: Philips
Project: GSM

Title: Multiple-access communications system

Country of registration: EPO 84201107.4 Patent no.: EP 0 134 057

Countries applicable: ETSI Deliverable:

Notes:

Company name: Philips
Project: GSM

Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems

Country of registration: EPO
Application no.: 82107529.8
Patent no.: EP 0 073 014 B1

Countries applicable: ETSI Deliverable:

Notes:

Company name: Philips
Project: GSM

Title: Improvements in or relating to Digital Filters

DE-PS 32 09 381

Country of registration: GB 8104155
Patent no.: GB 2069799
Countries applicable: GB

ETSI Deliverable:

Notes:

Company name: Philips
Project: GSM
Title:

Country of registration: DE

Application no.:

Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

Company name: Philips
Project: GSM

Title: Information transmission system

Country of registration:
Application no.:

Patent no.:

Countries applicable:

GB
8008510

GB 2063011

GB
263011

ETSI Deliverable:

Notes:

ETSI

Company name: Project:

Philips GSM

Title:

Country of registration: Application no.: Patent no.:

EPO 87200545.9 EP 0 240 073 B1

Countries applicable: ETSI Deliverable:

Company name:

Notes:

Philips

Project: Procédé pour reconnaître l'utilisation illicite d'une identification Title:

Country of registration: 8504296 Application no.: Patent no.: FR 256 184 1 FR

Countries applicable: **ETSI Deliverable:**

Company name:

Notes:

Philips

Project:

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: **EPO** Application no.: 83201765.1 EP 0 111 970 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Philips** Project: **GSM**

Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen

Funkstation eines Funkübertragungs

Country of registration: FPO 83201767.7 Application no.: Patent no.: EP 0 111 972 B1

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Philips** Project: GSM

Title: TDMA system of transmitting information between a central station and sub-stations

Country of registration: GB Application no.: 8207811 Patent no.: GB 209 55 16 Countries applicable: GB

ETSI Deliverable:

Notes:

Project:

Company name: **Philips**

Title: Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation

bestehenden Funkverbindung

Country of registration: EPO Application no.: 83201768.5 EP 0 111 973 B1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Philips** Project: **GSM**

Title: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen

Country of registration: **EPO** Application no.: 86201267.1 EP 0 210 698 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: GB

Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: GB
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration:

 Application no.:
 86200434.8

 Patent no.:
 0195487

 Countries applicable:
 IT

 ETSI Deliverable:
 GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: BE
Application no.: 83201765.1
Patent no.: 0111970
Countries applicable: BE
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: NL
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: NL
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: CH
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: CH
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration:SEApplication no.:86200434.8Patent no.:0195487Countries applicable:SEETSI Deliverable:GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: US
Application no.: 06/841906
Patent no.: 4932061

Countries applicable: US
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Short Message Services

Country of registration: AT

 Application no.:
 86200724.2

 Patent no.:
 E91210

 Countries applicable:
 AT

 ETSI Deliverable:
 GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: JP
Application no.: 86-63888
Patent no.: 2511871
Countries applicable: JP
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration: US
Application no.: 06/358753
Patent no.: 4472802
Countries applicable: US
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: DE
Application no.: 86200434.8
Patent no.: 3663863
Countries applicable: DE
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration: FR
Application no.: 8105633
Patent no.: 2502426
Countries applicable: FR
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: CA
Application no.: 443367
Patent no.: 1230385
Countries applicable: CA
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: CA
Application no.: 504510
Patent no.: 1243121
Countries applicable: CA
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: CH
Application no.: 83201765.1
Patent no.: 0111970
Countries applicable: CH
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: BE
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: BE
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration:DEApplication no.:P3209381.0Patent no.:3209381Countries applicable:DEETSI Deliverable:GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: AU
Application no.: 86-54993
Patent no.: 577454
Countries applicable: AU
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: AU
Application no.: 83-22436
Patent no.: 560105
Countries applicable: AU
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Short Message Services

Country of registration: GB

 Application no.:
 86200724.2

 Patent no.:
 0201126

 Countries applicable:
 GB

 ETSI Deliverable:
 GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration: GB
Application no.: 8207811
Patent no.: 2095516
Countries applicable: GB
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: FR
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: FR
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Short Message Services

Country of registration: JP
Application no.: 86-99522
Patent no.: 2583489
Countries applicable: JP
ETSI Deliverable: GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: AU
Application no.: 83-22437
Patent no.: 563905
Countries applicable: AU
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: AR
Application no.: 290378
Patent no.: 231891
Countries applicable: AR
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: AT
Application no.: 82107529.8
Patent no.: E16549
Countries applicable: AT
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: AU
Application no.: 82-87406
Patent no.: 557944
Countries applicable: AU
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: CA
Application no.: 409755
Patent no.: 1202096
Countries applicable: CA
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: CH
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: CH
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration:DEApplication no.:82107529.8Patent no.:3267443Countries applicable:DEETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Random Access Mechanism in Mobile

Country of registration: DK 82-3639 Application no.: Patent no.: 160121 Countries applicable: DK ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: **Short Message Services**

Country of registration: US 06/856916 Application no.: Patent no.: 4748681 Countries applicable: US **ETSI Deliverable:** GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Random Access Mechanism in Mobile Title:

Country of registration: ES Application no.: 515148 Patent no.: 515148 Countries applicable: ES **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Short Message Services Title:

Country of registration: SF 86200724.2 Application no.: Patent no.: 0201126 Countries applicable: SE ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: **Short Message Services**

Country of registration: FR 86200724.2 Application no.: Patent no.: 0201126 Countries applicable: FR ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Short Message Services Title:

Country of registration: JΡ Application no.: 95-61236 Patent no.: 2637380 Countries applicable: JΡ **ETSI Deliverable:** GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Short Message Services

Country of registration: AU
Application no.: 86-57048
Patent no.: 587616
Countries applicable: AU
ETSI Deliverable: GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Short Message Services

Country of registration: IT

 Application no.:
 86200724.2

 Patent no.:
 0201126

 Countries applicable:
 IT

 ETSI Deliverable:
 GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: GB
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: GB
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: IT
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: IT
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: JP
Application no.: 82-143486
Patent no.: 1645638
Countries applicable: JP
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: NO
Application no.: 822846
Patent no.: 157760
Countries applicable: NO
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Random Access Mechanism in Mobile

Country of registration:

Application no.: 82107529.8 Patent no.: 0073014 Countries applicable: SE ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: Application no.: 06/407691 Patent no.: 5088094 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Random Access Mechanism in Mobile Title:

Country of registration: US Application no.: 06/885764 Patent no.: 4815073 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Short Message Services Title:

Country of registration: DK 86-2006 Application no.: Patent no.: 170869 Countries applicable: DK ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: AT Application no.: 83201765.1

Patent no.: E26517 Countries applicable: AT

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Title: **Short Message Services**

Country of registration: DE Application no.: 86200724.2 Patent no.: 3688635 Countries applicable: DE **ETSI Deliverable:** GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: **Short Message Services**

Country of registration: СН

Application no.: 86200724.2 Patent no.: 0201126 Countries applicable: CH ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: 82107529.8 Application no.: Patent no.: 0073014 Countries applicable: FR **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Transmission System Using Block Coder Title:

Country of registration: SG Application no.: 00-00370.7 Patent no.:

Countries applicable: SG

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: DF 87200545.9 Application no.: Patent no.: 3784087 Countries applicable: DE ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: CH Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: CH ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: CA Application no.: 533695 Patent no.: 1274280 Countries applicable: CA **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: AU
Application no.: 87-70993
Patent no.: 599967
Countries applicable: AU
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: AT

 Application no.:
 87200545.9

 Patent no.:
 E85741

 Countries applicable:
 AT

 ETSI Deliverable:
 GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: JP 96-99331

Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication
Country of registration: JP
Application no.: 93-12468
Patent no.: 2759732
Countries applicable: JP
ETSI Deliverable: GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: JP
Application no.: 85-60508
Patent no.: 2130818
Countries applicable: JP
ETSI Deliverable: GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Variable Time Slot Duration

Country of registration: US
Application no.: 06/891982
Patent no.: 4763322
Countries applicable: US
ETSI Deliverable: GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Transmission System Using Block Coder

Country of registration: CN Application no.: 99800832.X

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Transmission System Using Block Coder

Country of registration: Application no.:

EPO 99919484.8

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 05.09 GSM 05.03

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project:

Transmission System Using Block Coder Title:

Country of registration:

Application no.: IN/PCT/00/00008

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 05.09 GSM 05.03

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Radio Link counting Invalid Messages

Country of registration: GB 83201768.5 Application no.: Patent no.: 0111973 Countries applicable: GB ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Transmission System Using Block Coder

Country of registration: KR

Application no.: 10-2000-7000819

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: FR **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Transmission System Using Block Coder

Country of registration: Application no.: 87108464 Patent no.: 114463 TW

Countries applicable:

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: Application no.: 06/562385 Patent no.: 4551852 Countries applicable: US **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Transmission System Using Block Coder Title:

Country of registration: US Application no.: 09/316996

Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: DF Application no.: 83201765.1 Patent no.: 3370924 Countries applicable: DE ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: FR Application no.: 8504296 Patent no.: 2561841 Countries applicable: FR ETSI Deliverable: GSM 03.020

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM** Authentication Title: Country of registration: DK 85-1285 Application no.: Patent no.:

Countries applicable:

DK **ETSI Deliverable:** GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM
Title: Authentication
Country of registration: DE

Application no.: P3448393.4
Patent no.: 3448393
Countries applicable: DE
ETSI Deliverable: GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: CA
Application no.: 477182
Patent no.: 1242501
Countries applicable: CA
ETSI Deliverable: GSM 03.020

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: ZA
Application no.: 83-9204
Patent no.: 83-9204
Countries applicable: ZA
ETSI Polivorable: GSM 05.6

ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: SE
Application no.: 83201768.5
Patent no.: 0111973
Countries applicable: SE
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: EPO Application no.: 90201290.5

Patent no.:

Countries applicable: EPO GSM 03.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration:NLApplication no.:83201768.5Patent no.:0111973Countries applicable:NLETSI Deliverable:GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Radio Link counting Invalid Messages

Country of registration:

Application no.: 83201768.5 Patent no.: 0111973 Countries applicable: IT ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Transmission System Using Block Coder JΡ

Country of registration: Application no.:

00-551507

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 05.09 GSM 05.03

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project:

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: IT

Application no.: 90202303.5 Patent no.: 0415502 Countries applicable: IT **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Asymmetric Traffic Title:

Country of registration: ΑIJ 90-55949 Application no.: Patent no.: 641103 Countries applicable: ΑU

ETSI Deliverable: GSM 03.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: US Application no.: 07/575116 Patent no.: 5212684 Countries applicable: US ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: TW Application no.: 79108476 Patent no.: 54206 Countries applicable: TW **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Dual Mode DECT/GSM SYSTEM

Country of registration:

Application no.: 90202303.5 Patent no.: 0415502 Countries applicable: SE ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: Application no.:

JΡ 90-133718

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Asymmetric Traffic Title:

Country of registration: KR Application no.: 90-7580 145296 Patent no.: Countries applicable: KR

ETSI Deliverable: GSM 03.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Asymmetric Traffic Title:

Country of registration: US 07/527987 Application no.: Patent no.: 5117423 Countries applicable: US ETSI Deliverable: GSM 03.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Variable Time Slot Duration

Country of registration: CH Application no.: 86201267.1 Patent no.: 0210698 Countries applicable: CH ETSI Deliverable: GSM 03.34

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Variable Time Slot Duration Title:

Country of registration: DE Application no.: 86201267.1 Patent no.: 3688661 Countries applicable: DE **ETSI Deliverable:** GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Variable Time Slot Duration

Country of registration: FR

Application no.: 86201267.1 Patent no.: 0210698 Countries applicable: FR ETSI Deliverable: GSM 03.34

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Variable Time Slot Duration Title:

Country of registration: GB 86201267.1 Application no.: Patent no.: 0210698 Countries applicable: GB **ETSI Deliverable:** GSM 03.34

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Variable Time Slot Duration Title:

Country of registration: IT

Application no.: 86201267.1 Patent no.: 0210698 Countries applicable: IT **ETSI Deliverable:** GSM 03.34

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Variable Time Slot Duration Title:

Country of registration: JP 86-175839 Application no.: Patent no.: 2737873 Countries applicable: JΡ ETSI Deliverable: GSM 03.34

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: DE Application no.: P3611301.8 Patent no.: 3611301 Countries applicable: DE ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: BR Application no.: PI9004274 Patent no.: PI9004274

Countries applicable: BR **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Radio Link counting Invalid Messages

Country of registration: JΡ

Application no.: 83-235209 Patent no.: 1957562 Countries applicable: JΡ ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: 87200545.9 Application no.:

Patent no.: 0240073 Countries applicable: GB **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Two Stage Channel Selection Method Title:

Country of registration:

Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: IT **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: JP 87-77653 Application no.: Patent no.: 2735545 Countries applicable: JΡ GSM 04.08 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: SE 87200545.9 Application no.: Patent no.: 0240073 Countries applicable: SE ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: Application no.: 90-227867 Patent no.: 3113671 Countries applicable: JP **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: **Dual Mode DECT/GSM SYSTEM**

Country of registration: ΑU Application no.: 90-61952 Patent no.: 649959 Countries applicable: ΑU ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: Application no.: Patent no.:

904256

Countries applicable:

ETSI Deliverable:

GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project:

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: CA Application no.: 2024216 Patent no.: 2024216 Countries applicable: CA **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: DF Application no.: 90202303.5 Patent no.: 69030851 Countries applicable: DE ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: ES Application no.: 90202303.5 Patent no.: 2104577 Countries applicable: ES ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: Application no.: 90202303.5 Patent no.: 0415502 Countries applicable: FR **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: GB

Application no.: 90202303.5 Patent no.: 0415502 Countries applicable: GB ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: Application no.: 87200545.9 2039425

Patent no.: Countries applicable: ES **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Two Stage Channel Selection Method Title:

Country of registration: US Application no.: 07/032416 Patent no.: 4850033 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: 83201766.9 Application no.: Patent no.: 0111971 Countries applicable: ΒE ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: IT

Application no.: 83201766.9 Patent no.: 0111971 Countries applicable: IT

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: Application no.: 83-9201 Patent no.: 83-9201 Countries applicable: ZA **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: US
Application no.: 06/562382
Patent no.: 4573206
Countries applicable: US
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: SE
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: SE
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: NO
Application no.: 834614
Patent no.: 162988
Countries applicable: NO
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: NL
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: NL
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: JP
Application no.: 96-327815
Patent no.: 2829317
Countries applicable: JP
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration: CA
Application no.: 398702
Patent no.: 1186426
Countries applicable: CA
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: AT

Application no.: 83201766.9
Patent no.: E26518
Countries applicable: AT
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration: BE
Application no.: 83201767.7
Patent no.: 0111972
Countries applicable: BE
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: FR
Application no.: 83201768.5
Patent no.: 0111973
Countries applicable: FR
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration: CA
Application no.: 443365
Patent no.: 1230384
Countries applicable: CA
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: NO
Application no.: 834670
Patent no.: 162989
Countries applicable: NO
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: CA
Application no.: 443366
Patent no.: 1225701
Countries applicable: CA
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: CH

Application no.: 83201766.9 Patent no.: 0111971 Countries applicable: CH ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: DE

Application no.: 83201766.9 Patent no.: 3370925 Countries applicable: DE **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: DK Application no.: 83-5766 Patent no.: 156865 Countries applicable: DΚ **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: FΙ Application no.: 834598 Patent no.: 75965 Countries applicable: FΙ

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: FR Application no.: 83201766.9 Patent no.: 0111971 Countries applicable: FR ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: Application no.: 83201766.9 Patent no.: 0111971 Countries applicable: GB **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

ΗK

Project:

Title: Traffic Load Distribution over Control Channels

Country of registration:

Application no.: Patent no.: 91-917 Countries applicable: HK

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: JP Application no.: 83-235207 Patent no.: 2134945 Countries applicable: JΡ **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Timing Advanced in Mobile Title:

Country of registration: ΑU Application no.: 82-81604 Patent no.: 557246 Countries applicable: AU

ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Control Channel Selection Channel Refs Title:

Country of registration: SF 83201767.7 Application no.: Patent no.: 0111972 Countries applicable: SE ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Radio Link counting Invalid Messages

Country of registration: FΙ Application no.: 834625 Patent no.: 76657 Countries applicable: FΙ

ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: DK Application no.: 83-5767 Patent no.: 157281 Countries applicable: DK **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: FI
Application no.: 834597
Patent no.: 76233
Countries applicable: FI
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: ES
Application no.: 528102
Patent no.: 528102
Countries applicable: ES
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: FR
Application no.: 83201765.1
Patent no.: 0111970
Countries applicable: FR
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration:DEApplication no.:83201768.5Patent no.:3380660Countries applicable:DEETSI Deliverable:GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: CH
Application no.: 83201768.5
Patent no.: 0111973
Countries applicable: CH
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: CA
Application no.: 443364
Patent no.: 1241379
Countries applicable: CA
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Radio Link counting Invalid Messages

Country of registration:

83201768.5 Application no.: Patent no.: 0111973 Countries applicable: BF ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Control Channel Selection Channel Refs Title:

Country of registration: ΑU Application no.: 83-22438 Patent no.: 574055 Countries applicable: ΑU **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Control Channel Selection Channel Refs Title:

Country of registration: US Application no.: 06/562383 Patent no.: 4633509 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: GB 83201765.1 Application no.: Patent no.: 0111970 Countries applicable: GB ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: IT

Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: IT

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: JP Application no.: 83-236510 Patent no.: 2134946 Countries applicable: JP **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: JP

Application no.: 96-327814 Patent no.: 2829316 Countries applicable: JP ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration:

Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: NL **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: NO Application no.: 834613 Patent no.: 162987 Countries applicable: NO **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: 83201765.1 Application no.: Patent no.: 0111970 Countries applicable: SE ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Control Channel Selection Channel Refs

Country of registration: JP Application no.: 83-236508 Patent no.: 2879056 Countries applicable: JΡ ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Control Channel Selection Channel Refs Title:

Country of registration: GB Application no.: 83201767.7 Patent no.: 0111972 Countries applicable: GB **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Control Channel Selection Channel Refs

Country of registration:

83201767.7 Application no.: Patent no.: 0111972 Countries applicable: FR ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Control Channel Selection Channel Refs Title:

Country of registration: Application no.: 83201767.7 Patent no.: 3380016 Countries applicable: DE **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Radio Link counting Invalid Messages Title:

Country of registration: AT

Application no.: 83201768.5 Patent no.: E46802 Countries applicable: AT **ETSI Deliverable:** GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Robert Bosch GmbH

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DF Application no.: 96934415.9

Patent no.:

Countries applicable: BE, CH, DE, ES, FI, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 04.53

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Method for decoding binary signals

Country of registration: DE

Application no.: EP 92118663.1 Patent no.: 542065

Countries applicable: BE, CH, ES, FI, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 06.21, V5.0.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Robert Bosch GmbH Company name:

Project: **GSM**

Electronic crypto-memory module Title:

Country of registration: DE

Application no.: Patent no.:

3340582 DE

Countries applicable: **ETSI Deliverable:** GSM 03.20

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Robert Bosch GmbH

Project:

Title: Method for decoding binary signals

Country of registration: DE Application no.: 925170 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 06.21, V5.0.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: GSM

Data transmission method especially in GSM communication system Title:

Country of registration:

Application no.: 19650141.5

Patent no.:

Countries applicable: **ETSI Deliverable:** GSM 04.53

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project:

Method for decoding binary signals Title:

DE

Country of registration:

Application no.:

Patent no.: 4137609 Countries applicable: DE

ETSI Deliverable: GSM 06.21, V5.0.1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Robert Bosch GmbH

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DF Application no.: 19650140.7

Patent no.: Countries applicable: DF

ETSI Deliverable: GSM 04.53 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DE Application no.: 97119761.1

Patent no.:

Countries applicable: CH, DE, DK, ES, FI, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 04.53

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Electronic crypto-memory module Title:

Country of registration: DE Application no.:

Patent no.: 5395/84

Countries applicable: CH **ETSI Deliverable:** GSM 03.20

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Robert Bosch GmbH

Project:

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration:

Application no.:

540808

DE

Patent no.: Countries applicable:

AT, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Electronic crypto-memory module

Country of registration:

Application no.:

DF

Patent no.: 844486 Countries applicable: NO **ETSI Deliverable:** GSM 03.20

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DE

Application no.: 97119992.2

Patent no.: Countries applicable:

CH, DE, DK, ES, FI, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 04.53

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project:

Title: Data transmission method DF

Country of registration:

Application no.: Patent no.: 3537105 Countries applicable: DF

GSM 04.06, GSM 05.02, GSM 05.08 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DF

Application no.:

Patent no.:

PTC DE96/01683

Countries applicable:

CA **ETSI Deliverable:** GSM 04.53

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project:

Data transmission method especially in GSM communication system Title:

Country of registration:

Application no.: 520047/97 Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** GSM 04.53

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Robert Bosch GmbH**

Project:

Title: Data transmission method especially in GSM communication system

Country of registration: DE Application no.: 68155 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 04.53

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: GSM

Synchronisation method for mobile telephone of GSM standard with beginning, normal and end Title:

synchronisation

Country of registration:

Application no.: Patent no.: 4136147 Countries applicable: DF

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project:

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

> synchronisation ĎΕ

Country of registration:

Application no.:

Notes:

Patent no.: 106164 Countries applicable: FΙ

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Robert Bosch GmbH Company name:

Project: **GSM**

Synchronisation method for mobile telephone of GSM standard with beginning, normal and end Title:

synchronisation ĎF

292374/92

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

JΡ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Robert Bosch GmbH**

Project: **GSM**

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

DE

Country of registration:

Application no.:

Patent no.: 5390216

ETSI Deliverable:

Countries applicable: US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Robert Bosch GmbH Company name:

Project: GSM

Title: Data transmission method especially in GSM communication system

Country of registration:

DE Application no.: 19544367.5

Patent no.:

Countries applicable: DE **ETSI Deliverable:** GSM 04.53

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Schlumberger Systèmes **GSM**

Title:

Country of registration:

Application no.:

FR

Patent no.: Countries applicable: ETSI Deliverable:

97/401620.6

FPO

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/07/97

Company name:

Schlumberger Systèmes

Project: Title:

GSM FR

FR

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

96/08916

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said

patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 15/07/96.

Company name:

Schlumberger Systèmes

Project: Title:

GSM

Country of registration:

Application no.:

FR

Patent no.: Countries applicable: 9-189917 JP

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/15/97.

Company name:

Schlumberger Systèmes

Project:

GSM

Title:

Country of registration:

FR

Application no.:

9702459-0

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/14/97

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Schlumberger Systèmes

GSM FR

08/892,813

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/15/97.

Company name: Schlumberger Systèmes **GSM**

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

FR 60/029,057

US

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/25/96.

Company name: Schlumberger Systèmes GSM

Project: Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

97/936 723.2

EPO

FR

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/31/97.

Company name: Schlumberger Systèmes

Project:

Title:

Country of registration:

Application no.: Patent no.: Countries applicable:

ETSI Deliverable: Notes:

GSM FR

96/09728

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 08/01/96

Schlumberger Systèmes

Project:

GSM

Title:

Country of registration:

Application no.:

FR

Patent no.: Countries applicable: 10-507676

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/31/97.

Company name:

Schlumberger Systèmes

Project:

GSM

Title:

Country of registration: Application no.:

FR

Patent no.: Countries applicable: 09/147,491

ETSI Deliverable:

US

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/31/97

Company name:

Schlumberger Systèmes

Project: Title:

GSM

Country of registration:

FR

Application no.: Patent no.:

96/09727

Countries applicable: **ETSI Deliverable:**

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 08/01/96.

Company name:

Schlumberger Systèmes

Project:

GSM

Title: Country of registration:

FR

Application no.:

97/15971

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 12/16/97.

Company name: Schlumberger Systèmes

Project: **GSM**

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: 217/97

FR

ETSI Deliverable: Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/25/97.

Company name: Schlumberger Systèmes

Project: Title:

GSM

Country of registration:

Application no.:

Patent no.: Countries applicable: PCT/US97/18999

ETSI Deliverable:

AU, BR, CN, EPO, JP, KR, MX, SG

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date:10/22/97.

Company name: Schlumberger Systèmes

Project: Title:

GSM

Country of registration:

Application no.: Patent no.:

2397/MAS/97

Countries applicable:

FR

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/23/97.

Company name: Schlumberger Systèmes

Project:

GSM

Title:

Country of registration: FR

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

PCT/FR98/02753

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 12/16/98.

Company name: Schlumberger Systèmes

Project: **GSM**

Title:

FR

Country of registration:

Application no.:

Patent no.: Countries applicable: 86115695

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/23/97.

Company name: Schlumberger Systèmes

Project: Title:

GSM

Country of registration:

FR

Application no.:

60/133,300

Patent no.: Countries applicable:

ETSI Deliverable:

US

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 05/10/99.

Company name: Schlumberger Systèmes

Project:

GSM

Title:

Country of registration: Application no.:

FR

Patent no.:

08/957,512

Countries applicable:

ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/24/97.

Company name: Schlumberger Systèmes

Project:

GSM

Title:

FR

Country of registration: Application no.:

Patent no.:

97/9479

Countries applicable: ETSI Deliverable:

Notes:

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/23/97.

Project: **GSM**

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Schlumberger Systèmes

FR

98 801156.5

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/18/98.

Company name: Schlumberger Systèmes

Project: Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

GSM

98/946 633.9

FPO

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-

discriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/18/98.

Company name:

Schlumberger Systèmes

Project:

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

GSM

FR

11-518753

JP

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/18/98.

Company name:

Schlumberger Systèmes

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

FR

GSM

60/059,382

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent

any patent which may be granted on the basis of said patent applications. Filing date: 09/19/97.

application which may be filed claiming the priority of one of the above cited patent applications and for

Project: **GSM**

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Schlumberger Systèmes

FR

09/156,371

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/17/98.

Company name: Schlumberger Systèmes

FR

US

Project:

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

GSM

60/050,631

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 06/20/97.

Company name: Schlumberger Systèmes

Project: Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

GSM

FR

08/932,270

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/17/97.

Company name: Schlumberger Systèmes

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

GSM

FR

PCT/US98/17605

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 08/25/98.

Company name:

Project: **GSM**

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Schlumberger Systèmes

FR

PI 9704974 MY

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and nondiscriminatory terms and conditions under such patent applications and patents in accordance with annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in annex 6, part 15 of the ETSI directives. The same applies for any patent

application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/22/97.

SIEMENS Company name: Project: **GSM**

Method and base station system for voice transmission via a radio interface in a digital radio Title:

communication system having mobile stations and base stations

Country of registration:

Application no.:

Patent no.:

DE 19653122 Countries applicable: DE

ETSI Deliverable:

GSM 06.76 V7.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration: DF

Application no.: EP 0 732 861

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GSM**

Title: Interception in wireless networks

Country of registration:

Application no.:

CN / 1271501

Patent no.:

Countries applicable:

CN

GSM 03.33 V7.1.0 **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Interception in wireless networks DE

Country of registration:

Application no.: EP 1 016 304 Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.33 V7.1.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: GSM

Title: Method and mobile communication system for supporting portability of a mobile subscriber telephone

number DE

Country of registration:

Application no.:

DE 197 09 713

Patent no.: Countries applicable:

DE

ETSI Deliverable:

GSM 03.66 V7.3.1 GSM 02.66 V7.1.0 TS 22.066 V3.0.1 TS 23.066 V3.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GSM**

Title:

Method for setting up a connection between a plurality of cellular networks DF

Country of registration:

Application no.: Patent no.:

EP 0 675 663

Countries applicable: **ETSI Deliverable:**

EPO GSM 03.18 V6.5.0 GSM 02.79 V6.0.0 TS 22.079 V3.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GSM

Country of registration:

Method for the use of services by network subscribers

Application no.:

DE

Patent no.:

FI / 955737

Countries applicable:

ETSI Deliverable:

GSM 03.78 V6.1.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GSM**

Project: Title:

Method for the use of services by network subscribers

Country of registration:

Application no.:

Patent no.: Countries applicable: EP 0 715 473 **EPO**

ETSI Deliverable:

GSM 03.78 V6.1.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

SIEMENS

Project: Title:

Method for Setting up a call connection for a group call to a group of mobile radio subscribers in a mobile

radio network

Country of registration:

Application no.:

EP 0 727 914

Patent no.: Countries applicable:

ETSI Deliverable:

GSM 03.68 V5.3.1 GSM 03.69 V5.1.2

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: **GSM**

Title: Method for confirmed multi-address calling in a regionally split GSM mobile radio network

Country of registration:

Application no.:

Patent no.: DE 19549008

Countries applicable:

DE ETSI Deliverable: GSM 03.68 V6.2.0 GSM 03.69 V6.2.0 GSM 09.07 V4.11.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

radio network

Project: Title:

Method for Setting up a call connection for a group call to a group of mobile radio subscribers in a mobile

Country of registration:

DF

Application no.:

Patent no.: US 5 797 100 US

Countries applicable:

ETSI Deliverable:

GSM 03.68 V5.3.1 GSM 03.69 V5.1.2

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: GSM

Title: Interception in wireless networks

Country of registration:

Application no.:

Patent no.: DE 197 41 216

Countries applicable: DE

ETSI Deliverable: GSM 03.33 V7.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GSM**

Project: Title:

Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration: DF

Application no.: FI / 961174 Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

DE

Project: Title:

Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.: CN / 1137714

Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: GSM

Title: Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.: Patent no.:

US 5 839 076

Countries applicable:

US

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GSM**

Title:

Method for the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration:

Application no.: Patent no.:

DE 19509000

Countries applicable:

DE

DF

ETSI Deliverable:

GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GSM**

Project: Title:

Method for displaying telephone numbers on subscriber stations of calling subscribers in a voice group

call service

Country of registration:

Application no.:

EP 0 771 126

Patent no.:

Countries applicable:

ETSI Deliverable:

FPO

DF

GSM 02.68 V5.1.3 GSM 03.68 V5.3.1 GSM 02.69 V5.1.3 GSM 03.69 V5.1.2

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

Project: Title:

Country of registration:

Method for confirmed multi-address calling in a regionally split GSM mobile radio network

Application no.:

EP 0 782 356

Patent no.: Countries applicable:

ETSI Deliverable:

GSM 03.68 V6.2.0 GSM 03.69 V6.2.0 GSM 09.07 V4.11.0

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GSM**

Project:

Method for confirmed multi-address calling in a regionally split GSM mobile radio network

Title: Country of registration:

DE IN / 2152/CAL/96

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

GSM 03.68 V6.2.0 GSM 03.69 V6.2.0 GSM 09.07 V4.11.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: GSM

Title: Method for Setting up a call connection for a group call to a group of mobile radio subscribers in a mobile

radio network

DF

Country of registration:

Application no.: FI / 960662 Patent no.:

Countries applicable:

FΙ

ETSI Deliverable:

Notes:

GSM 03.68 V5.3.1 GSM 03.69 V5.1.2

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: GSM

Title: Method for jam-resistant communication transmission

Country of registration:

Application no.: Patent no.:

US 4 843 612 US

DF

Countries applicable: **ETSI Deliverable:** GSM 06.31 V8.0.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: GSM

Title: Method for administering additional services in a mobile communication network

Country of registration: Application no.:

Patent no.: ZA/ 97/1770

Countries applicable: ZA

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Method for administering additional services in a mobile communication network Title:

Country of registration:

Application no.: Patent no.:

US 6 085 105

Countries applicable:

ETSI Deliverable:

US GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **SIEMENS** Project:

Method and system for determining the location of a mobile radio communication subscriber registered in Title:

a cellular mobile radiotelephone network

Country of registration:

Application no.:

EP 0 827 355 Patent no.:

Countries applicable:

EPO

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: GSM

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.:

Patent no.: DE 196 08 464 DF

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title:

Method, base station and subscriber station for channel coding in a GSM mobile radio telephone system Country of registration: DF

Application no.:

WO00/31880

Patent no.:

Countries applicable: AU, BR, CA, CN, EPO, HU, ID, IN, JP, KR, MX, RU, US

ETSI Deliverable: GSM 05.03 V8.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: **GSM**

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration:

Application no.:

Patent no.:

KR / 7010361/00

Countries applicable:

ETSI Deliverable:

Notes:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project:

GSM

Telecommunications network as well as subscriber stations and central station for a Telecommunications Title:

network DF

Country of registration:

Application no.:

Patent no.:

DE 36 38 735

Countries applicable:

DE

ETSI Deliverable: Notes:

GSM 03.03 V7.5.0 GSM 02.16 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS GSM

Title:

Method and mobile communication system for routeing of call connections

Country of registration: Application no.:

Patent no.:

WO98/23117

Countries applicable:

US

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0 Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GSM**

Title: Method for jam-resistant communication transmission

Country of registration:

Application no.:

Patent no.: CA 1238951

Countries applicable: CA

ETSI Deliverable: GSM 06.31 V8.0.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

GSM

Method and system for determining the location of a mobile radio communication subscriber registered in a cellular mobile radiotelephone network

DE

Country of registration:

Application no.: Patent no.:

JP 2977154

Countries applicable:

JΡ

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GSM

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.:

DE

JP / 12-537394

Patent no.:

JΡ

Countries applicable: **ETSI Deliverable:**

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

Project: Title:

Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.:

CN / 1180285

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GSM

Title:

Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network DF

Country of registration:

Application no.:

IN / 1533/CAL/97

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

SIEMENS Company name: Project: GSM

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.: KR / 24254/98

Patent no.: Countries applicable:

KR

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: GSM

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.: Patent no.:

DE 19635581

Countries applicable:

DE

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project: **GSM**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling DF

Country of registration:

Application no.: Patent no.:

WO99/48318

US

Countries applicable:

ETSI Deliverable:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Method and system for determining the location of a mobile radio communication subscriber registered in Title:

a cellular mobile radiotelephone network

Country of registration:

Application no.:

Patent no.:

US 6035 198

Countries applicable:

US

ETSI Deliverable:

GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

SIEMENS Company name: Project: **GSM**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

DE Application no.: DE 19812215 Patent no.:

Countries applicable:

DF

ETSI Deliverable: GSM 04.08 V6.7.0 GSM 02.07 V6.1.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: **GSM**

Title: Device for point-to-point wire-free transmission of speech

Country of registration:

Application no.:

Patent no.: DE 32 25 443

Countries applicable: DE

ETSI Deliverable: GSM 05.05 V8.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project: **GSM**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: Patent no.:

US 6 128 513 Countries applicable: US

ETSI Deliverable: GSM 06.76 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: GSM

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.: IN / 266/CAL/97

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Method for administering additional services in a mobile communication network Title:

Country of registration: DF

CN / 1160330 Application no.:

Patent no.:

Countries applicable:

CN

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **GSM**

Title: Method and mobile communication system for routeing of call connections

Country of registration: DE

Application no.: EP 0 878 109

Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **SIEMENS** Project: GSM

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

Application no.: EP 0 793 394 Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1 TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

Project: Title:

Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.:

GB 2322047

Patent no.:

GB

Countries applicable: **ETSI Deliverable:**

GSM 06.76 V7.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GSM

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.:

DE

CA / 2225205

Patent no.:

CA

Countries applicable: ETSI Deliverable:

GSM 06.76 V7.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS GSM

Project: Title:

Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.:

Patent no.:

IN / 2391/CAL/97

Countries applicable:

IN

ETSI Deliverable:

GSM 06.76 V7.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

GSM

Title: Country of registration: Method and mobile communication system for routeing of call connections

DE DE 19635581

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: SIEMENS
Project: GSM

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: EP 1 064 810 Patent no.:

Countries applicable:

EPO

ETSI Deliverable:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Sun Microsystems, Inc. GSM

Project: Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

GSM 03.19 (TS 101 476)

The IPR declarations related to GSM 03.19 (TS 101 476) from Sun Microsystems Inc. have been removed from the ETSI IPR online database at the request of Directorate General Competition of the European Commission. DG Competition's argument for such a removal, based on evidence they have gathered, is that the presence of these IPR declarations in the IPR online database and SR 000 314 amounts to a measurable distortion of competition in the relevant market. ETSI recognises DG Competition as the competent body to assess distortion of competition in the EU market. Consequently, ETSI considers itself to be under an obligation to take this action in this exceptional case. The removal of these declarations from the ETSI IPR online database and SR 000 314 must not be taken to imply any judgement by ETSI on the essentiality of the relevant IPR. DG Competition has confirmed that this removal is without prejudice to SUN Microsystems Inc.'s right to enforce their relevant patents. NOTE: SUN Microsystems Inc. still maintains their declarations of 19 January 2001 with respect to GSM 03.19 (TS 101 476) and their willingness to comply with the ETSI IPR Policy. These original licensing declarations are available on request from the ETSI Legal Advisor. It should be noted that Sun Microsystems Inc. in their letter of 26 February 2003 to ETSI expressed their continuing belief that they "own patents that might be infringed by every compliant implementation of GSM 03.19 (TS 101 476)". The technical evidence as provided by DG Competition which challenges the essential nature of SUN

Microsystems Inc.'s patents is also available on request from the ETSI Legal Advisor.

Company name:

Sun Microsystems, Inc.

Project:

Title: Data exchange system comprising portable data processing units

Country of registration: CN

Application no.: PCT/NL/96/00311 - 95191544.4

Patent no.: 1 195 413 Countries applicable: CN

ETSI Deliverable:

ETSI TS 143 019; GSM 43.019

Notes:

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above claims the benefit of either PCT Application No. PCT/NL95/00055 or PCT Application No.

PCT/NL96/00311, or both. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the patents identified above, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously entered into with SIM card manufacturers, satisfy this standard. SUN MICROSYSTEMS' STATEMENT OF 11 APRIL 2003: The initial reference to GSM 03.19 of SUN

MICROSYSTEMS' STATEMENT OF 11 APRIL 2003: The initial reference to GSM 03.19 of SU MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project:

Title: Data exchange system comprising portable data processing units

Country of registration:

Application no.: PCT/NL/96/00311 - 09/528,713

Patent no.: 6 385 645

Countries applicable: US

ETSI Deliverable: ETSI TS 143 019: GSM 43.019

Notes:

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above

claims the benefit of either PCT Application No. PCT/NL95/00055 or PCT Application No. PCT/NL96/00311, or both. SUN further declares that it has granted, and is prepared to continue to grant,

licenses under its ESSENTIAL IPR, including the patents identified above, on fair, reasonable and nondiscriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously entered into with SIM card manufacturers, satisfy this standard. SUN MICROSYSTEMS' STATEMENT OF 11 APRIL 2003: The initial reference to GSM 03.19 of SUN

MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project: GSM

Title: Data exchange system comprising portable data processing units

Country of registration:

Application no.: PCT/NL/96/00311 - 09/011,513

Patent no.: 6 094 656 US

Countries applicable: **ETSI Deliverable:**

ETSI TS 143 019; GSM 43.019

Notes:

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy. article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above

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MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project: **GSM**

Data exchange system comprising portable and non-portable data processing units suitable for use in Title:

smart cards

Country of registration: Application no.:

N7 PCT/NL/96/00311 - 313777

Patent no.: 313777

Countries applicable: NZ

ETSI Deliverable: ETSI TS 143 019; GSM 43.019

Notes:

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSITS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January . 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above

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MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project: GSM

Title: Coherent data structure with multiple interaction contexts for a smart card

Country of registration: Use Application no.:

PCT/NL/95/00055 - 09/141,255

Patent no.: 6 052 690

Countries applicable: US

ETSI Deliverable: ETSI TS 143 019: GSM 43.019

Notes:

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above claims the benefit of either PCT Application No. PCT/NL95/00055 or PCT Application No.

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MICROSYSTEMS STATEMENT OF 11 APRIL 2003. The initial reference to GSM 03.19 01 St. MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project: GSM

Title: Data exchange system comprising portable data processor

Country of registration: AU

Application no.: PCT/NL/95/00055 - 15460/95

Patent no.: 681 754 Countries applicable: AU

ETSI Deliverable: ETSI TS 143 019; G

Notes:

ETSI TS 143 019; GSM 43.019
SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy.

article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above

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MICROSYSTEMS' STATEMENT OF 11 APRIL 2003: The initial reference to GSM 03.19 of SUN MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Company name: Sun Microsystems, Inc.

Project: GSM

Title: Information exchange system
Country of registration: RU

Application no.: PCT/NL/95/00055 - 94200236.1 **Patent no.:** 2 148 856

Patent no.: 2 148 85 Countries applicable: RU

ETSI Deliverable: ETSI TS 143 019; GSM 43.019
Notes: SUN MICROSYSTEMS' STATE

SUN MICROSYSTEMS' STATEMENT OF JANUARY 2003: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to ETSI Standard No. GSM 03.19 (ETSI TS 101 476), SUN hereby declares its belief that the patent identified above is in its view ESSENTIAL to implementations of which it is aware, in respect of the GSM 03.19 Specification. Each patent listed above was issued subsequent to SUN's submission of its Declaration to ETSI dated January 19, 2001. Like the patents listed in SUN's Declaration of January 19, 2001, each patent listed above

claims the benefit of either PCT Application No. PCT/NL95/00055 or PCT Application No.

PCT/NL96/00311, or both. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the patents identified above, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously entered into with SIM card manufacturers, satisfy this standard. SUN

MICROSYSTEMS' STATEMENT OF 11 APRIL 2003: The initial reference to GSM 03.19 of SUN MICROSYSTEMS'above statement should be read as referring to GSM 43.019 (TS 143 019).

Telia AB Project: **GSM**

Title: Arrangement in Mobile Communication System for extending the range between one or more Mobile

Units and Base Stations

Country of registration:

Application no.: Patent no.:

EPO 94904363.2

Countries applicable:

ETSI Deliverable: Notes:

Company name: Telia AB **GSM**

Title: A Method and an Arrangement for dynamic allocation of Multiple Carrier Wave Channels for Multiple

access by Frequency Division M

Country of registration: Application no.:

Patent no.:

Project:

94900333.9

92850286.3

92850263.2

Countries applicable: **ETSI Deliverable:**

Notes:

Telia AB Company name: Project: **GSM**

Title: A Mobile Telecommunication System having aa Auxilliary Routing Arrangement **EPO**

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

Telia AB Company name: Project: **GSM**

Title: A Method and Arrangement for Performance Monitoring in a Telecommunications Network **EPO**

Country of registration: Application no.:

Patent no.:

Company name:

Countries applicable: **ETSI Deliverable:**

Notes:

Telia AB **GSM**

Project: Title: Method of Location in a Mobile Radio System

Country of registration: FPO 91916715.5 Application no.: Patent no.: 0 551 310 B1

Countries applicable: ETSI Deliverable:

Notes:

Company name: Telia AB Project: **GSM**

Title: Anntenna Arrangement Device

Country of registration: **EPO** Application no.: 92850035.2 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Telia AB Project: **GSM**

Title: Method for locating Mobile Stations in a Digital Telephone Network

Country of registration: **EPO** Application no.: 94850095.4 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Telia AB Project: **GSM**

Title: Procedure at Telecommunications Systems which makes possible a reduction of the Digital Processing

Country of registration: PCT

Application no.: PCT/SE 95/00850

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Company name: Telia AB Project:

Device for increasing the speed in a Digital Mobile Radio System Title:

Country of registration: FPO 95850184.3 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:** Notes:

Company name: Telia AB Project:

Title: Method and Arrangement for increasing capacity in a Mobile Telephone System

Country of registration: FPO Application no.: 91903207.8 Patent no.: 0 513 089 B1

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Vimatix Project:

Title: Method and apparatus for image representation by geometric and brightness modeling

Country of registration: US Application no.: 60/332,051

Patent no.:

Countries applicable:

LIS **ETSI Deliverable:** 3GPP 26.140; ETSI TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Vimatix Company name: Project: **GSM**

Title: Method and apparatus for image analysis and processing by identification of characteristic lines and

corresponding parameters. US

Application no.: 09/716279 Patent no.: Countries applicable:

Country of registration:

ETSI Deliverable: 3GPP 26.140; ETSI TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project:

Title: Method for 2D and 3D images capturing, representation, processing and compression.

Country of registration: Application no.:

Patent no.: 5,960,118

Countries applicable: US

3GPP 26.140; ETSI TS 126 140 **ETSI Deliverable:**

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Method and apparatus for image representation by geometric and brightness modeling Title:

Country of registration: US 09/902643 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP 26.140; ETSI TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Vimatix Project:

Title: Apparatus and method for Image Analysis and Processing by identification of Ridges and Edges and their

Cross-Sections

Country of registration: Application no.: 60/379,415 Patent no.:

Countries applicable:

US

ETSI Deliverable:

3GPP 26.140; ETSI TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Title: Geometric and Brightness Modeling of images

Country of registration:

Application no.: PCT/IL02/00563

Patent no.:

Countries applicable:

PCT

ETSI Deliverable: 3GPP 26.140; ETSI TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Title: Method and apparatus for image analysis and processing by identification of characteristic lines and

corresponding parameters.

Country of registration:

PCT/IL01/009496 Application no.:

Patent no.: Countries applicable:

PCT

ETSI Deliverable: 3GPP 26.140; ETSI TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Vimatix Company name: Project: **GSM**

Method and apparatus for image representation by geometric and brightness modeling Title:

Country of registration: Application no.:

Patent no.:

US

60/334,072

Countries applicable:

ETSI Deliverable: 3GPP 26.140; ETSI TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Method and apparatus for image representation by geometric and brightness modeling Title:

Country of registration:

PCT/IL02/00564

Application no.: Patent no.:

Countries applicable: PCT

ETSI Deliverable:

3GPP 26.140; ETSI TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vodafone Ltd.

Project:

Title: Data Processing Systems and Methods

GB

Country of registration:

GB 0218934.8 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.331; ETSI TS 125 331; GSM 08.08; ETSI TS 100 590; 3GPP TS 48.008; ETSI TS 101 503;

3GPP 44.018; ETSI TS 144 018

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

GSM/AMR-NB

Company name:

Alcatel

Project: Title:

GSM/AMR-NB AMR 12b, Document Tdoc SMG11 134/98R2,

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

AMR

Alcatel declared that they are prepared to grant irrevocable licenses under the IPRs owned by the

signatory or its affiliates on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR interim Policy, to the extent that the IPRs are essential for any ETSI standard relating to the AMR Speech

Codec proposal.

Company name:

Cellnet GSM/AMR-NB

AMR

Project: Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: Cellnet declared, with respect to work item and standard No AMR, that they are prepared, to grant

irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the standard, to the extent that the standard remain essential. The list

provided during this AMR Selection phase may not include "pending" patents.

Company name:

Ericsson GSM/AMR-NB

Project: Title:

Referring to the SMG11 AMR qualification deliverables documents, AMR-12a, §2.7

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

With regard to GSM and UMTS, Ericsson is of the opinion that it has patent(s) and/or pending patent Notes:

application(s) relating to the AMR proposal. Ericsson is fully prepared to grant licenses to these patents on a fair, reasonable, and non discriminatory basis in accordance with he terms and conditions set forth in

clause 6.1 of the ETSI IPR Policy.

Company name:

France Telecom GSM/AMR-NB

Project: Title:

Method of adapting the noise masking level in an analysis-by-synthesis speech coder employing a short-

B-FRANC candidate of AMR selection. The list provided during this AMR selection phase may not include

term perceptual weighting filter

Country of registration:

Application no.:

FR

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

CA, CN, DE, DK, FR, GB, HK, IT, JP, KR, NL, SE, US

"pending" patents.

Company name:

NEC Corporation

Project: Title:

GSM/AMR-NB

Country of registration: Application no.:

444239-3

Patent no.:

1197619

Countries applicable: **ETSI Deliverable:**

CA

Notes:

AMR

Company name:

NEC Corporation GSM/AMR-NB

Project:

Country of registration: Application no.:

57-231605 1740693

Patent no.: Countries applicable:

JΡ

ETSI Deliverable: Notes:

AMR

Company name: **NEC Corporation** Project: GSM/AMR-NB

Title: Method and apparatus for encoding voice signals

Country of registration: Application no.: 565804 Patent no.: 4716592 Countries applicable: US **ETSI Deliverable: AMR** Notes:

Company name: **NEC Corporation**

Project: GSM/AMR-NB Title: Country of registration: 57-231603

Application no.: Patent no.: Countries applicable: **ETSI Deliverable:**

AMR

1740692

Notes: **NEC Corporation**

Company name: Project: Title:

GSM/AMR-NB

Country of registration: 57-231606 Application no.: Patent no.: 1740694 Countries applicable:

ETSI Deliverable: Notes:

Company name: Project:

Nokia GSM/AMR-NB

AMR

Title: Country of registration:

Application no.:

Patent no.: 5664053 Countries applicable: US

ETSI Deliverable: Notes:

AMR

Nokia GSM/AMR-NB

5444816

US

Project: Title: Country of registration:

US

Application no.: Patent no.:

Company name:

Countries applicable: **ETSI Deliverable:** Notes:

US **AMR**

> Nokia GSM/AMR-NB

Project: Title: Country of registration:

Application no.:

Company name:

Patent no.: Countries applicable: **ETSI Deliverable:**

AMR Notes:

Company name: Project:

Notes:

Nokia GSM/AMR-NB

9605123

GB

Title: Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

4969192 US

AMR

Nortel Northern Telecom Ltd. Company name:

Project:

GSM/AMR-NB

Title:

Methods and apparatus for noise conditioning in digital speech compression using linear predictive coding

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

US 5642464 CA, EU, US

Notes:

Nortel has stated that, in accordance with the ETSI Interim IPR Policy, article 4.1 and in relation to the work item No AMR, they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR Policy, in respect of the Standard, to the extent that the IPRs remain essential.

Company name:

Rockwell Semiconductor Systems

Project:

GSM/AMR-NB

Title: Country of registration: Method and apparatus for generating frame voicing decisions of an incoming speech signal

Application no.: Patent no.:

5774849 US

Countries applicable: **ETSI Deliverable:**

AMR Notes:

Company name:

Rockwell Semiconductor Systems

Project: GSM/AMR-NB Delayed decision switched prediction multistage LSF vector quantization

Title: Country of registration:

Application no.:

5774839

US

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

AMR

Company name:

Rockwell Semiconductor Systems

Usage of voice activity detection for efficient coding of speech

Project: GSM/AMR-NB Spike code-excited linear prediction

Title: Country of registration:

Application no.:

Patent no.: Countries applicable:

5664054 US

ETSI Deliverable:

Notes: **AMR**

Company name: Project:

Title:

Rockwell Semiconductor Systems GSM/AMR-NB

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

5689615

US

AMR

GSM/TDMA

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

56780

Patent no.: Countries applicable: **ETSI Deliverable:**

IR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

MY

Application no.: Patent no.:

MY100722A

Countries applicable:

ETSI Deliverable:

MY

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL

INFORMATION NETWORK

Country of registration:

Application no.:

1 339 157

CA

Patent no.: Countries applicable:

CA

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project:

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (PORTUGUESE TITLE: SISTEMA E PROCESSO DE COMUNICAÇÕES PARA A

OBTENCAO DE UMA AGILIDADE DE FREQUENCIA NOS SISTEMAS)

Country of registration:

Application no.:

Patent no.: Countries applicable: 88942

РΤ

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

Notes:

GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

Country of registration: Application no.:

SYSTEMS ΝZ

Patent no.: Countries applicable: 226967

ETSI Deliverable:

ΝZ The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (NORWEGIAN TITLE: ANORDNING OG FREMGANGSMATE FOR A OPPNA

FREKVENSSMIDIGHET I DIGITALE KOMMUNIKASJONSSYSTEMER)

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

176780

NO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN COMMUNICATION

SYSTEMS

MY

Country of registration:

Application no.: Patent no.:

MY-101118A

Countries applicable: **ETSI Deliverable:**

Notes:

MY

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS (SWEDISH TITLE: SATT OCH ANORDNING FOR ASTADKOMMANDE AV

FREKVENSRORLIGHET I DIGITALA KOMMUNIKATIONSSYSTEM)

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

8803823-7

SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS KR

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

51 471 KR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

Notes:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

ΑU

603732

Patent no.: Countries applicable:

ETSI Deliverable:

ΑU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ETSI

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

Application no.:

2899805

Patent no.: Countries applicable:

JΡ

JΡ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (ITALIAN TITLE: SISTEMA DIGITALE DI COMUNICAZIONE E METODO, ATTI AD

OTTENERÈ AGILITA'DI FREQUENZA)

Country of registration:

Application no.: Patent no.:

1235150

Countries applicable:

IT

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

8803594/8 ES

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Notes:

InterDigital Technology Corp.

GSM/TDMA

8903349

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

FS

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

FS

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION SYSTEMS (MEXICAN TITLE: APARATO Y METODO PARA OBTENER AGILIDAD DE FRECUENCIA

EN SISTEMAS DE COMUNICACION DIGITALES)

Country of registration:

Application no.:

MX

Patent no.: Countries applicable: 170,412 MX

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

B14817089,

Patent no.: Countries applicable:

ETSI Deliverable:

US

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

5 119 375 US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

5 022 024

Countries applicable:

ETSI Deliverable:

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS US

Country of registration:

Application no.:

4 912 705

Patent no.: Countries applicable:

US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

MY

Patent no.: Countries applicable:

ETSI Deliverable:

MY-102335A MY

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

100843 FΙ

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

Application no.:

4 785 450

US

Patent no.: Countries applicable:

ETSI Deliverable:

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

CA

1 288 823

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS SG

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

9692130-9 SG

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

Notes:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (BELGIAN TITLE: DISPOSITIF

D'INITIALISATION D'UNE VOIE DE COMMUNICATION EN)

Country of registration:

Application no.:

BF

Patent no.: Countries applicable: 8900242 RF

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER (DISPOSITIF D'INITIALISATION D'UNE VOIE DE COMMUNICATION

ENTRE UN POSTE D'ABONNE ET UNE STATION)

Country of registration:

Application no.:

Patent no.: Countries applicable: 9000316 ΒE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER (BELGIAN TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE)

Country of registration: Application no.:

:

Patent no.:
Countries applicable:

9000315 BE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

(NORWEGIAN TITLE: MODEM FOR TELEFONSYSTEMER, ELLER AB)

Country of registration:

Application no.:

ΝO

Patent no.: Countries applicable: 304090 NO

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS ZA

Country of registration:

Application no.:

Patent no.: 88/8062 Countries applicable: ZA

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS TW

Country of registration:

Application no.:

Patent no.:

36023

Countries applicable:

ETSI Deliverable:

TW

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA
SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration: Application no.: ES

Application no.: Patent no.:

548.366/2

Countries applicable: ETSI Deliverable:

ES

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

4 817 089

US

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (ARGENTINEAN TITLE: UNA DISPOSICION TELEFONICA DIGITAL INALAMBRICA)

Country of registration:

Application no.:

AR

241,364

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

Notes:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS AU

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

590168 ΑU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

Country of registration:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

US

Application no.: Patent no.:

5 687 194

Countries applicable:

ETSI Deliverable:

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS US

Country of registration:

Application no.:

Patent no.: Countries applicable: 5 657 358 US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration: Application no.:

Patent no.: Countries applicable: 5 734 678

ETSI Deliverable:

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

Application no.:

Patent no.: Countries applicable:

174 241 IN

IN

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.: Countries applicable: 8504662-1 SE

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.:

870966 GR

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA US

Country of registration:

Application no.: Patent no.:

4 675 863 US

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS TW

74105869 TW

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

TW

NI-30412

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (SPANISH TITLE: SISTEMA DE

COMUNICACION DE ABONADOS)

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

8900774/3 ES

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

SG

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

8990649.9 SG

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS (BELGIAN TITLE: DISPOSITIF ET PROCEDE POUR OBTENIR DE LA SOUPLESSE EN

MATIERE DE FREQUENCE DANS DES SYSTEMES DE CO

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

8801283

ΒE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS US

Country of registration:

Application no.:

Patent no.: Countries applicable:

6 014374 US

ETSI Deliverable:

Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

98691 FΙ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

> licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

A COMMUNICATION SYSTEMS FOR COMMUNICATING BETWEEN A CENTRAL OFFICE, BASE

STATION AND A PLURALITY OF SUBSCRIBER STATIONS

Country of registration:

Application no.:

Patent no.: Countries applicable: 178151 IN

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (BRAZILIAN TITLE: SISTEMA DE COMUNICACAO E PROCESSO DE DESIGNAR

RANHURAS OU PONTOS DE TEMP E CANAIS DE FREQUENCIA

Country of registration:

Application no.: Patent no.:

8805901-4

Countries applicable:

BR

BR

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.:

308879 NO

NO

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

InterDigital Technology Corp.

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

85,136 PT

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

> **SYSTEMS** IL

Country of registration: Application no.:

Patent no.:

88187

Countries applicable:

ETSI Deliverable: Notes:

IL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (INDONESIAN TITLE: APARAT DAN METODA UNTUK MEMPEROLEH FREKWENSI

KETANGKASAN DALAM SISTEM KOMUNIKASI DIGITAL)

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

ID 0000713

ID

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

5 022 024

Countries applicable: **ETSI Deliverable:**

US

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (FRENCH TITLE: DISPOSITIF ET PROCEDE POUR OBTENIR DE LA SOUPLESSE EN

MATIERE DE FREQUENCE DANS DES SYSTEMES DE COM)

Country of registration:

Application no.:

Patent no.: 8814617 Countries applicable: FR

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS CA

Country of registration:

Application no.: Patent no.:

1 295 434

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (SPANISH TITLE: SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration:

Application no.:

Patent no: Countries applicable: 8803332/5 ES

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

5 121 391

Patent no.: Countries applicable:

US

US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project:

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

Application no.:

CN

Patent no.: Countries applicable: 11478 CN

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

8600440

Countries applicable:

ETSI Deliverable:

FR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

2174571

Patent no.: Countries applicable:

GB

GB

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

Country of registration:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS FΙ

Application no.:

Patent no.: Countries applicable: 104676 FΙ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project:

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN TIME DIVISION MULTIPLE

ACCESS SYSTEMS

Country of registration: Application no.:

GB

Patent no.: Countries applicable: 2224414

ETSI Deliverable: Notes:

GB

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: 98430 Countries applicable: FΙ ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: Countries applicable:

85678 IL

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL Title:

INFORMATION NETWORK

Country of registration:

Application no.:

4 779 262

Patent no.: Countries applicable:

US

US

ID

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: ID0001825 ID

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title: SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS (ARGENTINEAN TITLE - DISPOSICION TELEFONICA DE RF PAR

Country of registration:

Application no.: Patent no.:

Notes:

Notes:

ÀR 241429 AR

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA Title:

Country of registration:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Application no.: Patent no.:

834/1994

HK

Countries applicable:

HK

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

ΑT 404202

Patent no.: Countries applicable: **ETSI Deliverable:**

AT

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.: Patent no.:

2208774

Countries applicable: **ETSI Deliverable:**

GB

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

PI 8505598

Countries applicable:

ETSI Deliverable:

BR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (FRENCH TITLE: STATION DE

BASE POUR SYSTEME TELEPHONIQUE SANS FIL)

Country of registration:

Application no.:

Patent no.: Countries applicable: 88 04299 FR

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project: Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

178383

IN

Patent no.: Countries applicable:

IN

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.: Countries applicable:

40230

ETSI Deliverable:

KR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

MY-103830A

Patent no.: Countries applicable:

ETSI Deliverable:

MY

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

595139

Countries applicable:

ETSI Deliverable: Notes:

ΑU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

InterDigital Technology Corp.

GSM/TDMA INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (MEXICAN TITLE: INICIALIZACION DE

CANAL DE COMUNICACION ENTRE UNA ESTACION)

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

169 911 MX

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

JP

JP

2979064

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: Application no.:

53 566

Patent no.: Countries applicable: **ETSI Deliverable:**

KR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

BE

Patent no.:

904 065 BE

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

576627

ΑU

Patent no.: Countries applicable: **ETSI Deliverable:**

ΑU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration:

Application no.: Patent no.:

NO 176,637

Countries applicable: **ETSI Deliverable:**

NO

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title: Country of registration: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Application no.:

Patent no.: Countries applicable:

2003229 RU

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE STATION IN A SUBSCRIBER (BRAZILIAN TITLE: SISTEMA DE COMUNICACAO DE ASSINANTES)

COMMUNICATION NETWORK)

Country of registration:

Application no.:

BR

Patent no.:

PI89010302 RR

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (PORTUGUESE TITLE: ESTACAO

DE BASE PARA SISTEMAS TELEFONICO DIGITAL POR VIA RADIOELECTRICA)

Country of registration: Application no.:

87283

Patent no.: Countries applicable:

PT

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

Notes:

GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: Application no.:

NO

Patent no.: Countries applicable: 175559

NO **ETSI Deliverable:**

> The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

Patent no.: Countries applicable: 89/1609

ETSI Deliverable:

ZΑ

ZΑ

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE STATION IN A SUBSCRIBER COMMUNICATION NETWORK (PORTUGUESE TITLE: INICIALIZACAO

DE UM CANAL DE COMUNICACAO ENTRE UM POSTO) Country of registration:

Application no.: Patent no.:

89 897

Countries applicable: **ETSI Deliverable:**

Notes:

PT

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

Notes:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (SWEDISH TITLE: SYNKRONISERING

AV BASSTATION OCH ABONNENTSTATION I ETT ABO)

Country of registration:

Application no.:

Patent no.:

9001262-6

Countries applicable:

ETSI Deliverable:

SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project:

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (DUTCH TITLE: HET INITIEREN VAN

EEN COMMUNICATIEKANAAL TUSSEN EEN ABONNEES)

Country of registration:

Application no.:

NI

Patent no.: Countries applicable: 191 869 NL

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

Notes:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (SWEDISH TITLE:

ABONNENTKOMMUNIKATIONSSYSTEM)

Country of registration:

Application no.:

SE

Patent no.: Countries applicable: 8900642-3 SF

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

Patent no.:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration: Application no.:

176.638 NO

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

4 777 633

Country of registration:

Application no.:

US

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (DUTCH TITLE: BASISSTATION VOOR EEN DRAADLOOS DIGITAAL TELEFOONSTELSEL)

Country of registration:

Application no.:

193162 Patent no.: NL

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.: Patent no.:

MY-100488A MY

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project:

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (MEXICAN TITLE: ESTACION BASE

PARA UN SISTEMA TELEFONICO DIGITAL INALAMBRICO) MX

Country of registration:

Application no.:

Patent no.:

171,366

Countries applicable: **ETSI Deliverable:**

MX

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: Application no.:

Patent no.: Countries applicable: 51 947

ETSI Deliverable:

KR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: Countries applicable: 2979319

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (ITALIAN TITLE: STAZIONE BASE

PER SISTEMA TELEFONICO DIGITALE SENZA FILI) Country of registration:

Application no.: Patent no.:

1219926

Countries applicable: **ETSI Deliverable:**

IT

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

Patent no.: 2711333 Countries applicable: JΡ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration:

Application no.:

ZA

Patent no.: Countries applicable: 88/5961 ZA

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

3645360 DE

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

Notes:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

JP

Patent no.: Countries applicable: 2816349

ETSI Deliverable:

JP

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (BELGIAN TITLE: STATION DE

BASE POUR SYSTEME TELEPHONIQUE NUMERIQUE SANS FIL.)

Country of registration:

Application no.:

Patent no.: Countries applicable: 8800372

ETSI Deliverable:

Notes:

ΒE

RF

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER (FRENCH TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE E)

Country of registration:

Application no.: Patent no.:

9002732

FR

FR

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SYSTEM. (SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINLGE OR A PLURALITY OF RF CHANNELS.)

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

1 307 064

CA

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

InterDigital Technology Corp.

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

CH

Patent no.: Countries applicable: 675333 CH

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

Country of registration:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

36.08 CL

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

(CHILEAN TITLE - SISTEMA DE COMUNICATION DIGITAL ENTR

Country of registration:

Application no.:

Patent no.: Countries applicable: 37.738

ETSI Deliverable:

CL

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER (FRENCH TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE E)

Country of registration:

Application no.:

90 02733

Patent no.: Countries applicable: **ETSI Deliverable:**

FR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

3609395

DE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

i20000075

Patent no.: Countries applicable:

ΑZ

ΑZ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

Country of registration:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Application no.:

Patent no.:

557.496/X

Countries applicable: **ETSI Deliverable:**

ES

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

FΙ

Patent no.:

98425 FΙ

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

1154

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

BY

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.: Patent no.:

2038699 RU

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title: SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.: Countries applicable: Mar-90 HK

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

162,175

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

MX

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

GSM/TDMA Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 4 811 420

Countries applicable: **ETSI Deliverable:**

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

TW

Patent no.: Countries applicable:

36534

ETSI Deliverable:

TW

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (BRAZILIAN TITLE: ESTACAO DE

BASE EM UMA REDE DE COMUNICACAO DE ASSINANTES PARÀ COMUNICAR ENTRE AS

ESTACOES DE ASSINANTE E UMA REDE EXTERNA)

Country of registration: Application no.:

Patent no.:

PI8801530

Countries applicable: **ETSI Deliverable:**

BR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Company name: Project:

GSM/TDMA

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: Application no.:

Patent no.: Countries applicable: 31631 TW

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

1 250 673

Patent no.: Countries applicable:

CA

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK IN

Country of registration:

Application no.: Patent no.:

174843

Countries applicable: **ETSI Deliverable:**

IN

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: Title:

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Application no.:

Patent no.: Countries applicable: 1191300 IT

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration: Application no.:

Patent no.: Countries applicable: 76618

ETSI Deliverable: Notes:

IL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.:

Patent no.: Countries applicable: 228172 ΝZ

ΝZ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (SPANISH TITLE: CENTRAL DE

BASE PARA SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration:

Application no.: Patent no.:

Countries applicable:

8800957 ES

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (ITALIAN TITLE: SISTEMA DI

COMUNICAZIONE CON INIZIALIZZAZIONE DI CANALE DI)

Country of registration:

Application no.:

Patent no.: Countries applicable: 1231180 IT

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

InterDigital Technology Corp.

TIL DIGITALT RADIOTELEFONSYSTEM)

GSM/TDMA BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (DANISH TITLE: GRUNDSTATION

DK

DK

172084

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Application no.: Patent no.:

89428 Countries applicable:

ETSI Deliverable:

IL

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: Application no.:

Patent no.: Countries applicable: P 38 12611 DF

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

27687 IJA

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. GSM/TDMA

Project: Title:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Application no.: Patent no.:

10 469 CN

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp. Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (INDONESIAN TITLE: PERMULAAN DARI

SALURAN KOMUNIKASI ANTARA SUATU STASION)

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

ID0001927

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration:

Application no.: Patent no.:

1 339 158 CA

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration:

Application no.:

ΑU

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

585 748 ΑU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER (FRENCH TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE E)

Country of registration:

Application no.:

Patent no.: Countries applicable: 89 02811 FR

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Project:** InterDigital Technology Corp.

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA Title:

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration: Application no.: GR

Patent no.:

1000657

Countries applicable: ETSI Deliverable:

GR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

HDSL

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

ΑU

Country of registration: Application no.: AU 20202/95 Patent no.: AU 9520202

Countries applicable: **ETSI Deliverable:**

ETR 152, RTR/TM-06002

Notes:

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: FΙ Application no.: FI 942372 Patent no.: FI 96080

Countries applicable:

ETSI Deliverable: ETR 152, RTR/TM-06002

Notes:

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: ΝZ Application no.: NZ 272163 Patent no.: NZ 272163

Countries applicable:

ETSI Deliverable: ETR 152, RTR/TM-06002

Notes:

Company name: Nokia **HDSL** Project:

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: EPO

Application no.: EP 95303476.6 Patent no.: Countries applicable: EP 683580

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: ETR 152, RTR/TM-06002

Notes:

HIPERLAN

INRIA Company name: Project: **HIPERLAN**

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: JΡ Application no.: 6-516756 Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** ETS 300 652

Notes:

INRIA Company name: Project: **HIPERLAN**

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: FR 93 00750 Application no.: Patent no.: Countries applicable: FR

ETSI Deliverable: ETS 300 652

Notes:

Company name: INRIA **HIPERLAN** Project:

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: CA Application no.: 2 132 626 Patent no.:

Countries applicable: CA

ETS 300 652 **ETSI Deliverable:**

Notes:

Company name: **INRIA** Project: **HIPERLAN**

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: Application no.: 95 09928 Patent no.:

Countries applicable: FR

ETS 300 652 **ETSI Deliverable:**

Notes:

Company name: **INRIA HIPERLAN** Project:

Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant Title:

Country of registration: **EPO** Application no.: 94 905 162 Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 652

Notes:

Company name: INRIA Project: HIPFRI AN

Title: Installation de Type Réseau Radio de Transmission de Données, avec Routage

Country of registration: FR Application no.: 95 09928 Patent no.: Countries applicable:

ETSI Deliverable: ETS 300 652

Notes:

INRIA Company name: Project: **HIPERLAN**

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: US Application no.: 08/307,578

Patent no.: Countries applicable: US

ETS 300 652 **ETSI Deliverable:**

Notes:

HIPERLAN 2

Company name: Project: Title: Wi-Lan Inc. HIPERLAN 2

Method & Apparatus for Multiple Access between Transceivers in Wireless Communications using OFDM

Spread Spectrum

Country of registration: Application no.: Patent no.: CA 861,725 5,282,222 Countries applicable: ETSI Deliverable: ÚS

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

IPCablecom

Company name: Project:

Motorola **IPCablecom**

Title:

Country of registration: Application no.:

US

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

TS 101 909-xx series (Work Item Ref.: DTS/AT-020020-xx series); ES 201 909-xx series (Work Item Ref.:

DES/AT-020012-xx series)

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs are ESSENTIAL.

Company name: Nortel Networks Ltd.

Project:

IPCablecom

Title: Country of registration: Application no.: Methods and systems for providing access to stored audio data over a network 00309381.2

Patent no.:

EP 1 096 766 **EPO**

Countries applicable: ETSI Deliverable:

TS 101 909

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The above

undertaking is made subject to the condition that those who seek licenses agree to reciprocate.

ISDN

Company name: **Ericsson** Project: **ISDN**

Title: TC-relay mechanism feature

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: ETS 300 287

Ericsson is fully prepared to grant licenses to its rights in this/these patent(s) to the extent necessary in Notes:

order to comply with said standard on fair, reasonable, and non-discriminatory terms, however, subject to

conditions of reciprocity which are required to create fairness in a multi-standard environment.

Company name: Project: ISDN

Title:

Country of registration: Application no.:

Patent no.: WO98/49819

Countries applicable:

ETSI Deliverable: ETS 300 287

Royal KPN N.V. herewith notifies ETSI that it is the (co)proprietor of the International patent application Notes:

WO98/49819 and corresponding patents, both pending and granted, and that it informs ETSI that it believes that these IPR's maybe essential to the standard ETS 300 287, corresponding to ITU Q.730. According to an agreement between KPN, Telia and Ericsson, each of the parties is entitled to make licenses available for standardisation puroposes in ITU and corresponding standards in ETSI. Royal KPN N.V. and/or its affiliates hereby declare that they are prepared to grant irrevocable licenses under the IPR's on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect

of the indicated standard, to the extent that the IPR remains essential.

Robert Bosch GmbH Company name:

Project: ISDN

Title: Verfahren und Schaltungsanordnung zum Betreiben von Endgeräten eines digitalen

Teilnehmeranschlusses

Country of registration:

Application no.: Patent no.:

DE 33 22 152 C2

Countries applicable: DE

ETS 300 012 ETSI Deliverable:

Notes:

Robert Bosch GmbH Company name:

DF

Project:

Verfahren zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses Title: DE

Country of registration:

Application no.: Patent no.:

DE 33 11 386 C2 DF

Countries applicable:

ETSI Deliverable: ETS 300 012

Notes:

Company name: Siemens Project: **ISDN**

Title: Method for transmission of a message and telecommunication system

Country of registration: DE

Application no.: WO01/58185

Patent no.:

Countries applicable: BR, DE, EPO, JP, US

ETSI Deliverable: ES 201 912 (protocol 1 and 2)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **ISDN**

Title: Method for addresssing short messages to at least one terminal suitable for receiving the same in a fixed

network

Country of registration: DE Application no.: WO02/078374

Patent no.:

Countries applicable: DE, EPO, US **ETSI Deliverable:**

ES 201 912 (protocol 1) Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Telia AB ISDN

Title:

Country of registration:

Application no.:

Patent no.:

504 405

Countries applicable: ETSI Deliverable:

Notes:

This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR Policy, As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company name:

Telia AB **ISDN**

Project: Title:

Country of registration:

08/860,467 Application no.: Patent no.: Pending Countries applicable: US

ETSI Deliverable:

Notes:

This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR Policy, As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company name: Project:

Telia AB **ISDN**

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:** Notes:

973109 Pending

This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR Policy, As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company name: Teli
Project: ISD

Title:

Country of registration:

Application no.: 9
Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Telia AB ISDN

96938566

FPO

This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Lawful Interception

Company name: Alcatel

Project: Lawful Interception

Title: Procédé et équipement d'interception de communication téléphonique

Country of registration: FR 98402659.1

Patent no.:

Countries applicable: AT, BE, DE, ES, GB, IT, SE

ETSI Deliverable: 201 67

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel

Project: Lawful Interception

Title: Procédé et équipement d'interception de communication téléphonique

Country of registration: FF

Application no.: 98402659.1

Patent no.:

Countries applicable:

AT, BE, DE, ES, GB, IT, SE

ETSI Deliverable: ES 201 671

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson

Project: Lawful Interception

Title: Telephone call monitoring by law enforcement agency assigning identification numbers for telephone calls

and notifying law agency if any party to call is identified as requiring monitoring

Country of registration: SI

Application no.: WO 98/52 337
Patent no.: US-5930698
Countries applicable: US

ETSI Deliverable: ES 201 158

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The signatory

undertakes in accordance with clause 6.1 only to grant licenses subject to reciprocity.

LCS-128 Pos

Company name: Project: Title:

TruePosition Inc. LCS-128 Pos

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

3GPP TSG RAN Work Item 57: LCS-128 Pos
Upon TruePosition Inc. request of 29 April 2003, their declaration of IPRs related to LCS-128 Pos have been removed from the ETSI IPR online database, on the basis that "these (IPRs) are not required to practice this standard as currently written". The original IPR declaration is available on request from the ETSI Legal Advisor.

M-COMM

Company name: Project: Title: Swisscom Mobile

M-COMM

Kryptographisches Sicherheitsverfahren sowie dafür geeignete elektronische Vorrichtung Cryptographic

security method and electronic apparatus therefor EPO

Country of registration: Application no.: Patent no.:

EP 02405418.1

Countries applicable: ETSI Deliverable:

EPO

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

PLT

Company name: e300 Ltd. Project: **PLT**

Title: **Data Transmission Method**

Country of registration: GB Application no.: 00920867.9 Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: Work Item No.: DTS/PLT-00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

e300 Ltd. Company name: PI T Project:

Data Transmission Method Title: GB

Country of registration: Application no.:

GB2351884 Patent no.:

Countries applicable: GB

ETSI Deliverable: Work Item No.: DTS/PLT-00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project: PLT

Title: Distributed synchronization mechanism for shared communications media based networks

Country of registration: US

Application no.: To be completed

Patent no.:

Countries applicable: US

ETSI Deliverable: Work Item no. DTS/PLT 00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project:

Title: Media access control with echo based collision detection and resolution

Country of registration: US 09/721,584 Application no.: Patent no.:

Countries applicable: US

ETSI Deliverable: Work Item no. DES/PLT 00005a

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project: **PLT**

Title: Media access control with echo based collision detection and resolution

Country of registration: US 09/721,584 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Work Item no. DTS/PLT 00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project: PI T

Title: Media access control utilizing synchronization signaling

Country of registration: US

Application no.: 09/679,330 Patent no.:

US Countries applicable:

ETSI Deliverable: Work Item no. DES/PLT 00005a

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

> licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project:

Title: Media access control utilizing synchronization signaling

Country of registration:
Application no.: US 09/679,330

Patent no.:

Countries applicable:

ETSI Deliverable: Work Item no. DTS/PLT 00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project:

Title: Distributed synchronization mechanism for shared communications media based networks

Country of registration: Application no.:

Patent no.:

To be completed

Countries applicable:

US

ETSI Deliverable:

Work Item no. DES/PLT 00005a

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

PSTN

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration:

Application no.:

Patent no.: 0,150,181 Countries applicable: BE **ETSI Deliverable:** ETS 300 659-1

Notes:

Company name: AT&T Project: **PSTN**

Transmission During Ringing Title:

Country of registration: EPO

Application no.:

Patent no.: WO 85/00488

Countries applicable: AT, AU, BE, BR, CH, DE, DK, FI, FR, GB, JP, LU, NL, NO, SE, US

ETSI Deliverable: ETS 300 659-1

Notes:

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration:

Application no.:

Patent no.: 4,582,956 Countries applicable: US

ETSI Deliverable: ETS 300 659-1

Notes:

Company name: AT&T Project: **PSTN**

Transmission During Ringing Title:

US

Country of registration: CA

Application no.:

Patent no.: Countries applicable: 1,225,726 CA

ETS 300 659-1 **ETSI Deliverable:**

Notes:

Company name: AT&T **PSTN** Project:

Transmission During Ringing Title: FR

Country of registration:

Application no.:

Patent no.: 0,150,181

Countries applicable: FR

ETS 300 659-1 **ETSI Deliverable:**

Notes:

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration:

Application no.:

Patent no.: 0,150,181 Countries applicable: SE ETSI Deliverable: ETS 300 659-1

Notes:

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: NL

Application no.: Patent no.: 0,150,181 Countries applicable: NL ETS 300 659-1 **ETSI Deliverable:**

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing JΡ

Country of registration:

Application no.:

Patent no.: 1,832,616

Countries applicable:

ETS 300 659-1 **ETSI Deliverable:**

Notes:

Company name: AT&T Project: **PSTN**

Transmission During Ringing Title: GB

Country of registration: Application no.:

Patent no.: 0,150,181 Countries applicable: GB ETSI Deliverable: ETS 300 659-1

Notes:

AT&T Company name: Project:

Title: Transmission During Ringing DE

Country of registration: Application no.:

Patent no.:

3,376,377 Countries applicable: DE

ETSI Deliverable: ETS 300 659-1

Notes:

Nortel Northern Telecom Ltd. Company name:

Project:

Title:

Country of registration: GB

Application no.:

Patent no.: GB 2 2588 119 B

Countries applicable: GB

ETSI Deliverable: ETS 300 659-2

Notes:

Company name: Siemens Project: **PSTN**

Title: Method for addresssing short messages to at least one terminal suitable for receiving the same in a fixed

network DE

Country of registration:

Application no.: WO02/078374 Patent no.:

Countries applicable:

DE, EPO, US **ETSI Deliverable:** ES 201 912 (protocol 1)

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **PSTN**

Title: Method for transmission of a message and telecommunication system

Country of registration:

Application no.: WO01/58185

Patent no.:

BR, DE, EPO, JP, US Countries applicable:

ETSI Deliverable: ES 201 912 (protocol 1 and 2)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

RES

Company name:
Project:
Title: BT RES

Country of registration:
Application no.:
Patent no.:
Countries applicable:
ETSI Deliverable:
Notes: PCT PCT/GB 92/02102 Published WO93/10623 DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

SDH

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: UA
Application no.: 93003414
Patent no.: 26436
Countries applicable: UA

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens
Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: YU
Application no.: P-1978/90
Patent no.:

Countries applicable:

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens
Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: NO
Application no.: 905114
Patent no.: 302269
Countries applicable: NO

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: JP
Application no.: 02-320576
Patent no.: 2044162
Countries applicable: JP

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: CN
Application no.: 90109646.6
Patent no.: 16447

Countries applicable: CN

ETSI Deliverable: EN 300 417-9-1 V1.1.1 Notes: The SIGNATORY and/o

The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: US Application no.: 07/691,676

5168494 Patent no.: Countries applicable: US

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: ΑIJ Application no.: 67064/90 Patent no.: 620744

Countries applicable: ΑU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to Notes:

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Siemens Company name: Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: DE Application no.: 90121127.6 Patent no.: 0 429 888 B1

Countries applicable: AU, CA, CH, CN, DE, FR, GB, IT, JP, NO, RU, UA, US, YU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Siemens Company name: Project: SDH

A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of Title:

the synchronous digital multiplex hierarchy

Country of registration: RU Application no.: 4831743/09 Patent no.: 2095942 Countries applicable: RU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to Notes:

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL

Siemens Company name: Project: SDH

A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of Title:

the synchronous digital multiplex hierarchy

Country of registration: Application no.: 2030954 Patent no.: 2030954 Countries applicable: CA

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

SDSL

Company name: Project:

Siemens SDSL

Title:

Country of registration:

DE

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 101 524

Notes:

Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of patented issues in ETSI Standards, and that they are not prepared to waive their rights but would be willing to negociate licenses with other parties on a non-discriminatory basis on reasonable terms that are demonstrably free of any unfair competition. Such licenses provide that a grant under any licensee's patent rights within the scope of the license granted to the licensee is made available to Siemens Aktiengesellschaft and its subsidiaries on request.

Company name:

Siemens

Project: Title:

SDSL

Country of registration: Application no.:

DF

Patent no.: Countries applicable:

ETSI Deliverable:

TS 101 524-1

Notes:

Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of patented issues in ETSI Standards, and that they are not prepared to waive their rights but would be willing to negociate licenses with other parties on a non-discriminatory basis on reasonable terms that are demonstrably free of any unfair competition. Such licenses provide that a grant under any licensee's patent rights within the scope of the license granted to the licensee is made available to Siemens Aktiengesellschaft and its subsidiaries on request.

Company name:

Project: Title:

Siemens **SDSL**

Country of registration:

Application no.: Patent no.:

DF

Countries applicable: **ETSI Deliverable:**

Notes:

Siemens Aktiengesellschaft hereby declares that in the event it has existing patents or may in the future obtain patents which are necessary to manufacture, use, and sell implementations of the "SDSL" standard it is prepared to license these patents. Siemens Aktiengesellschaft hereby also declares that it is aware of the rules governing inclusion of patented items in international standards, as currently described by the ETSI IPR Policy, and in particular that it is willing to grant a license to an unlimited number of applicants throughout the world under reasonable terms and conditions that are demonstrably free of any unfair competition. Such licence will provide that a similar grant under any licensee's patent within the scope of the license granted to the licensee is made available by Siemens Aktiengesellschaft and its subsidiaries on request.

Company name:

Project: Title:

Siemens SDSL

Country of registration: Application no.:

DE

Patent no.: Countries applicable:

ETSI Deliverable:

TS 101 524-2

Notes:

Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of patented issues in ETSI Standards, and that they are not prepared to waive their rights but would be willing to negociate licenses with other parties on a non-discriminatory basis on reasonable terms that are demonstrably free of any unfair competition. Such licenses provide that a grant under any licensee's patent rights within the scope of the license granted to the licensee is made available to Siemens Aktiengesellschaft and its subsidiaries on request.

Company name: Tioga Technologies Ltd.

Project: Title:

SDSL

Country of registration: Application no.:

IL

Patent no.: Countries applicable:

US

ETSI Deliverable:

TS 101 524

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SES

Company name: **Hughes Network Systems** SES

Project:

Title:

Notes:

Country of registration:
Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

US US patent application pending

ETSI TS 102 188-1; ETSI TS 102 188-2; ETSI TS 102 188-3; ETSI TS 102 188-4; ETSI TS 102 188-5; ETSI TS 102 188-6; ETSI TS 102 188-7; ETSI TS 102 189-1; ETSI TS 102 189-2; ETSI TS 102 189-3 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Hughes Netword Systems has filed patent applications in the US and abroad covering various features of the ETSI proposed standards TS 102 188 and TS 102 189. These patents, when issued, are expected to be

"essential IPRs" in relation to either or both standards.

Speech Recognition

Company name:

Alcatel

FPO

Project:

Speech Recognition

Title:

Procédé et dispositif de suppression de bruit dans un signal de parole, et système avec annulation d'écho

correspondant

Country of registration:

Application no.: Patent no.:

EP 0710 947

Countries applicable:

DE, FR, GB, IT, JP, SE, US

ETSI Deliverable:

ES 202 050 V1.1.1

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

France Telecom Speech Recognition

Project: Title:

Procédé et dispositif de réduction de bruit

Country of registration:

PCT

Application no.:

ETSI Deliverable:

PCT/FR/01/03624

Patent no.:

Countries applicable:

AE, AG, AL, AM, ARIPO, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EAPO, EC, EE, EPO, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OAPI, OM, PCT, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

ES 202 050

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The above undertaking is made subject to the condition that those who seek licences agree to reciprocate.

Company name:

France Telecom

Project: Speech Recognition

Title: Country of registration: Procédé et dispositif de réduction de bruit

Application no.: Patent no.:

Countries applicable:

01 01120

ETSI Deliverable:

ES 202 050

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The above

undertaking is made subject to the condition that those who seek licences agree to reciprocate.

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration:

Application no.:

GB

Patent no.: Countries applicable: UK 0201585.7

ETSI Deliverable:

GB ES 202 050

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Motorola Speech Recognition

Title:

Copyright work: golay.c - Type: C File

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

ES 201 108

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project:

Speech Recognition

Title: Copyright work: common.h - Type: H File

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

ES 201 108 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project:

Speech Recognition

Title: Country of registration: Copyright work: coder.h - Type: H File

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

ES 201 108 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Speech Recognition Copyright work: decoder.c - Type: C File

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

ES 201 108 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration:

Copyright work: decoder.h - Type: H File

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

FS 201 108

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project:

Speech Recognition

Title: Copyright work: golay.h - Type: H File

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

ES 201 108

Project: Title:

Speech Recognition Copyright work: makefile.gcc - Type: GCC File

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

ES 201 108

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: makefile.hp - Type: HP File

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

ES 201 108

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Copyright work: quantiser_16kHz.tab - Type: TAB File Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: ES 201 108

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Copyright work: coder.c - Type: C file Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: ES 201 108

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Title:

Country of registration: US Application no.:

Patent no.:

US 10/060511 Countries applicable: US

ETSI Deliverable: ES 202 050

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Title: Mitigating Errors in a Distributed Speech Recognition Process

Country of registration:

Application no.: Patent no.:

GB2343777A

Countries applicable:

GB

ETSI Deliverable: ES 201 108: ES 202 050 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Mitigating Errors in a Distributed Speech Recognition Process Title:

Country of registration:

Application no.:

Patent no.: EP99972348.9

Countries applicable: AT, BE, CH, CY, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: ES 201 108; ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

741

Company name: Motorola

Project: Speech Recognition

Title: Processing Received Data in a Distributed Speech Recognition Process

Country of registration:

Application no.:

Patent no.: GB2343778A

Countries applicable: GB

ETSI Deliverable: ES 201 108: ES 202 050

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Processing Received Data in a Distributed Speech Recognition Process Title:

Country of registration:

Application no.:

EP99951323.1

Patent no.: AT, BE, CH, CY, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable: ES 201 108; ES 202 050

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Speech Recognition Using Unequally-Weighted Subvector Error Measures for Determining a Codebook Title:

Vector Index to Represent Plural Speech Parameters

Country of registration:

Application no.: Patent no.:

US 6,389,389

Countries applicable: US

ETSI Deliverable: ES 201 108; ES 202 050

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition Title:

US

Country of registration:

Application no.: Patent no.:

US 09/427497 Countries applicable: US

ES 202 050 **ETSI Deliverable:** Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration:

Application no.:

US

Patent no.: US 09/774840 Countries applicable: US

ETSI Deliverable:

Notes:

ES 202 050 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Speech Recognition Project:

Title:

Country of registration:

Application no.:

US

Patent no.:

US 10/061048

Countries applicable:

US

ES 202 050

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: quantiser_8kHz.tab - Type: TAB File

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

ES 201 108

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration: Application no.:

US

Patent no.:

10/109151

Countries applicable: **ETSI Deliverable:**

ES 202 211; ES 202 212

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration:

PCT

Application no.:

PCT/US03/04490

Patent no.:

PCT

Countries applicable: ETSI Deliverable:

ES 202 211; ES 202 212

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name:

Motorola

Project: Title:

Speech Recognition

Country of registration:

US

Application no.: Patent no.:

10/215810

Countries applicable:

US

ETSI Deliverable:

ES 202 211; ES 202 212

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name:

Motorola

Project: Title:

Speech Recognition Method and Apparatus for speech reconstruction in a distributed speech recognition system

Country of registration:

WO 2002062120 A2

Application no.: Patent no.:

Countries applicable:

BR, CN, EPO

ETSI Deliverable:

ES 202 211; ES 202 212

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name:

Motorola

Project: Title:

Speech Recognition Method and Apparatus for speech reconstruction in a distributed speech recognition system

Country of registration:

Application no.:

US-2002-0147579-A1

Patent no.:

Countries applicable:

ETSI Deliverable:

ES 202 211; ES 202 212

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Motorola

Company name: **Project:** Speech Recognition

Title:

Country of registration: Application no.: Patent no.: 10/341726

Countries applicable:

ETSI Deliverable:

Notes:

ES 202 211; ES 202 212
Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

STAG

Company name: Project:

Title: Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

KPN **STAG**

Monitoring Method and Monitoring System

WO 96/34506 NL, US

Royal KPN N.V. undertakes that it is prepared to grant irrevocable licenses on fair reasonable and nondiscriminatory terms and conditions under its hereinafter mentioned patents and applications therefore, as far as they are declared to be essential for implementation of the standard pursuant to the ETSI Rules of Procedure. Patent number WO 96/34506 is granted in the Netherlands and the USA, pending in other territories.

Company name: KPN Project: **STAG**

Title: Monitoring Method and Monitoring System

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable: Notes:

EP 823187 NL, US

Royal KPN N.V. undertakes that it is prepared to grant irrevocable licenses on fair reasonable and nondiscriminatory terms and conditions under its hereinafter mentioned patents and applications therefore, as far as they are declared to be essential for implementation of the standard pursuant to the ETSI Rules of Procedure. Patent number EP 823187 is granted in the Netherlands and the USA, pending in other territories.

Television systems

Philips Television systems

EPO

Company name:
Project:
Title:
Country of registration:
Application no.:
Patent no.:
Countries applicable:
ETSI Deliverable:
Notes:

EP-A 0 538 466

ETS 300 732

TETRA

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: JP
Application no.: 94-38813
Patent no.: 07007469
Countries applicable: JP

Countries applicable: JI ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: EPO EP 94 402 160 Patent no.: EP 0 645 903

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: AU
Application no.: 94-74213
Patent no.: 9474213
Countries applicable: AU

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: CA
Application no.: 94-2133139
Patent no.: 2133139
Countries applicable: CA

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: JP
Application no.: 235504/94
Patent no.: 170580/95
Countries applicable: JP

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: US
Application no.: 94-313798
Patent no.: 5,583,870
Countries applicable: US
ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Method for forming Groups of Communication Terminals

Country of registration: EPO
Application no.: EP 94 200 739
Patent no.: EP 0 675 660

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

Company name: Alcatel Project: **TETRA**

Title: Method for forming Groups of Communication Terminals

Country of registration: Application no.: 408628 Patent no.: 5,625,886 Countries applicable:

ETSI Deliverable:

Part 2: Air interface Notes:

Alcatel Company name: Project:

Power Control for Radio Access Title:

Country of registration: 93 02 701 Application no.: Patent no.: 2 702 614 Countries applicable:

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project:

Title: Power Control for Radio Access

Country of registration: **EPO** EP 94 400 502 Application no.: Patent no.: EP 0 615 353

Countries applicable: BE, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TETRA**

Title: **Dummy Burst Structure**

Country of registration: FR Application no.: 93 11 572 Patent no.: 2710805 Countries applicable:

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TFTRA**

Title: Power Control for Radio Access

Country of registration: Application no.: 94-1066 Patent no.: 9401066 Countries applicable: FΙ

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TETRA**

Procédé d'Entrelacement d'une Séquence d'Éléments de Données, et Dispositif d'Entrelacement Title:

correspondant

Country of registration: EPO 996232 Application no.:

Patent no.:

Countries applicable: DE, ES, FR, GB, IT **ETSI Deliverable:** ETS 300 392

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Alcatel** Project: **TETRA**

Title: Power Control for Radio Access

Country of registration: US Application no.: 94-207687 Patent no.: 5,564,075 Countries applicable: US

ETSI Deliverable:

Part 2: Air interface Notes:

Company name: Alcatel Project: **TETRA**

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: 93 105 67 Application no.: Patent no.: 2 709 893 Countries applicable: ETSI Deliverable:

Part 2: Air interface Notes:

Company name: **Alcatel** Project: **TETRA**

Time Slot Steeling in a multiplexed Radio System Title:

Country of registration: FPO EP 94 401 946 Application no.: Patent no.: EP 0 642 285

AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE Countries applicable:

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TETRA**

Time Slot Steeling in a multiplexed Radio System Title:

Country of registration: Application no.: 94-4038 Patent no.: 9404038 Countries applicable:

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TETRA**

Time Slot Steeling in a multiplexed Radio System Title:

Country of registration: JP Application no.: 213006/94 254879/95 Patent no.: Countries applicable:

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: **Alcatel** Project: **TFTRA**

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: US Application no.: 299 654 Patent no.: 5,511,072 Countries applicable:

ETSI Deliverable: Part 2: Air interface Notes:

Alcatel Company name: Project: **TETRA**

Title: Method and device for interleaving a sequence of data elements

Country of registration:

Application no.:

US 5,742,612 Patent no.:

Countries applicable: US **ETSI Deliverable:** ETS 300 392-2

Notes: The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the standard, to the extent that the IPRs remain essential.

Company name: **Alcatel** Project: **TETRA**

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration: FR Application no.: 94 2 512 Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 392-2 Notes:

The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the standard, to the extent that the IPRs remain essential.

Company name: Alcatel Project: TETRA

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration:

Application no.:

Patent no.: EP 0 627 821

Countries applicable:

BE, CH, DE, ES, FR, GB, IT, LU, NL, PT, SE **ETSI Deliverable:** ETS 300 392-2

The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the standard, to the extent that the IPRs remain essential.

Company name: Alcatel Project: **TETRA**

Procédé et dispositif d'entrelacement d'une séquence d'éléments de données Title:

Country of registration:

Application no.:

FR 2 706 054

Patent no.: Countries applicable: FR

ETSI Deliverable: ETS 300 392-2

The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the standard, to the extent that the IPRs remain essential.

Company name: **Alcatel** Project: **TETRA**

Power Control for Radio Access Title:

Country of registration: ΑU Application no.: 94-57661 9457661 Patent no.: Countries applicable: AU

ETSI Deliverable:

Notes: Part 2: Air interface

Company name: Marconi Communications Ltd.

Project: **TFTRA**

Data Transmission System Title:

Country of registration: GB Application no.: 8428154 Patent no.: 2166929 Countries applicable: GB

ETSI Deliverable:

Notes: Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in

accordance with clause 6.1 of the ETSI IPR Policy.

Marconi Communications Ltd. Company name:

Project: **TETRA**

A Communication System Title:

Country of registration: DE

Application no.: 87307453.8 Patent no.: P.3787787.9 DE

Countries applicable:

ETSI Deliverable: Notes:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in

accordance with clause 6.1 of the ETSI IPR Policy.

Company name: Marconi Communications Ltd.

Project: **TETRA**

Title: Communication Systems and Stations for such a System

Country of registration: GB Application no.: 8723162 Patent no.: 2195870 Countries applicable: GB

ETSI Deliverable:

ETSI Deliverable:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in Notes:

accordance with clause 6.1 of the ETSI IPR Policy.

Company name: Marconi Communications Ltd.

Project: **TETRA**

A Communication System Title:

Country of registration: GB 8628497 Application no.: Patent no.: 2198013 Countries applicable:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in Notes:

accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Marconi Communications Ltd.

Project:

TETRA

Title:

Country of registration:

Application no.:

Patent no.:

GB 2 177 873

Countries applicable: **ETSI Deliverable:**

Notes:

Patents essential to the TETRA Standard: I am writing to notify you, on behalf of Marconi

Communications Limited, of patent GB 2 177 873 which is considered essential to the above standard.

(Signatory: Roger K. Tolfree, Manager).

Company name:

Marconi Communications Ltd.

Project:

TFTRA

Title: Country of registration: A Communication System

Application no.:

FR 87307453.8

Patent no.: Countries applicable: 0269202 FR

ETSI Deliverable: Notes:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Marconi Communications Ltd.

Project: **TETRA**

Title: A Communication System

Country of registration: IT

Application no.: 70146/BE/93 Patent no.: 0269202 Countries applicable: IT

ETSI Deliverable:

Notes:

Title:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in

accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Marconi Communications Ltd.

Project:

A Communication System

TFTRA

Country of registration: US Application no.: 125469 Patent no.: 4866709 Countries applicable: US

ETSI Deliverable:

Notes:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in

accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Marconi Communications Ltd.

Marconi Communications Ltd.

Project: **TETRA**

Title: Signal Strength Measurement

Country of registration: GB Application no.: 8915399.3 Patent no.: 2234354 Countries applicable: GB

ETSI Deliverable: Notes:

accordance with clause 6.1 of the ETSI IPR Policy.

Company name: Project: **TETRA**

Signal Transmission System Title:

Country of registration: GB Application no.: 9005197.0 Patent no.: 2241850 Countries applicable: GB

ETSI Deliverable:

Marconi Communications undertakes to grant irrevocable licences on terms and conditions which are in Notes:

accordance with clause 6.1 of the ETSI IPR Policy.

Company name: Motorola Project: **TETRA**

Title: Improved Dispatched Trunked Radio System

Country of registration:

Application no.:

EP 0 210 181

EPO

Patent no.: Countries applicable:

AT, BE, CH, DE, FR, GB, IT, NL, SE

ETSI Deliverable:

Company name: Motorola Project: **TETRA** Title: Radio System TR

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

28221

HU

Company name: Motorola Project: **TETRA** Radio System Title: Country of registration: HU Application no.: P9401972 Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Company name: Motorola Project: **TETRA**

Title: Trunked Communication System with Nationwide Roaming Capability FPO

Country of registration: Application no.: 89901513.5 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

Company name: Motorola Project: **TETRA**

Title: Packet-Switched Cellular Telephone System

Country of registration: **EPO** Application no.: 89101118.1

Patent no.:

Notes:

Notes:

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

Company name: Motorola Project: **TFTRA** Title: Radio System Country of registration: **EPO** 93922524.9

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

AT, DE, DK, ES, GB, SE

Company name: Motorola Project: TETRA

Title: Digital Speech Coder Having Improved Sub-Sample Resolution Long-Term Predictor

Country of registration:

Application no.:

EP0450064 Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE

ETSI Deliverable: ETS 300 395-2

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project:

Title: A method of operating a Radio Transmission or Communication System Including a Central Station and a

Plurality of Individual Rem **EPO**

Country of registration:

Application no.:

EP 0 269 643

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

AT, BE, CH, DE, DK, FR, GB, IT, NL, SE

Company name: Motorola Project: **TETRA**

Title: Digital Speech Coder Having Improved Long Term Lag Parameter Determination

Country of registration:

Application no.:

Patent no.: EP0415163

Countries applicable: BE, CH, DE, FR, GB, IT, LI, NL

ETSI Deliverable: ETS 300 395-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project: Title:

Country of registration: Application no.: 943189

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Motorola TETRA Radio System

FΙ

Motorola Company name: Project: **TFTRA**

Title: Communication Signal Having a Time-Domain Pilot Component

Country of registration:

Application no.: Patent no.:

GB2266645 Countries applicable: GB

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **TETRA**

Communications Apparatus Title:

Country of registration: GB

Application no.: GB9119186.6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

GB

Motorola

Company name:

Project: **TFTRA** Title: Radio System Country of registration: RU Application no.: 94035751.0

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

RU

Company name:

Motorola Project: **TETRA** Title: Radio System Country of registration: PL Application no.: P-304341

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

PL

Company name: Motorola Project: **TETRA** Title: Radio System Country of registration: RO

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

RO

94-01115

Company name: Motorola Project: **TETRA**

Title: Selective System Scan for Multizone Radiotelephone Subscriber Units

Country of registration: **EPO**

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

EP 0 352 786

AT, BE, CH, DE, ES, FR, GB, GR, IE, IT, LU, NL, SE

Nokia Company name: Project: **TETRA** Radio System Title: Country of registration: AU AU 55639/94 Application no.: Patent no.: AU 683033

Countries applicable: ETSI Deliverable:

Notes:

Company name: Nokia Project: **TETRA** Title: Radio System JP

Country of registration: JP 6-512808 Application no.: Patent no.: JP 8503587

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration: Application no.: FI 925236 Patent no.: FI 96156

Countries applicable: **ETSI Deliverable:** Notes:

Company name: Nokia Project: **TFTRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration:

Application no.: PCT/FI93/00486 Patent no.: WO 9411997

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: **EPO** Application no.: EP 94900171.3

Patent no.: EP 670097 Countries applicable:

ETSI Deliverable:

Notes:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company name: Nokia Project: **TETRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration: JΡ JP 6-511767 Application no.: Patent no.: JP 8503112

Countries applicable: **ETSI Deliverable:**

Company name: Nokia Project: **TETRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration:

Application no.: AU 54673/94 Patent no.: AU 674362 Countries applicable:

ETSI Deliverable:

Notes:

Company name: Nokia Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call

Country of registration: Application no.: FI 933576 FI 95428 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: Application no.: FI 914656 Patent no.: FI 88986

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TFTRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration:

Application no.: US 08/436, 185 US 5633913 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA** Title: Radio System Country of registration: FI 925431 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

FI 96656

Country of registration: CN

CN 94190016.9 Application no.: Patent no.: CN 1101490 Countries applicable:

ETSI Deliverable:

Notes:

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

Country of registration:

AU 58176/94 Application no.: Patent no.: AU 671348

Countries applicable: **ETSI Deliverable:**

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

Country of registration: US

Application no.: US 08/302787 Patent no.: US 5485635

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call Country of registration: JΡ Application no.: JP 7-506774 JP 8502639 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call ΑU

Country of registration:

AU 74615/94 Application no.: Patent no.: AU 674781

Countries applicable: **ETSI Deliverable:**

Notes:

Nokia Company name: Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

> Priority Call PCT

Country of registration:

Application no.:

PCT/FI94/00348 WO 9505721 Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Company name: Nokia Project: **TETRA**

Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Title:

> **Priority Call** CN

Country of registration: CN 94190593.4 Application no.: Patent no.: CN 1113406

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA** Title: Radio System Country of registration: **EPO** EP 94900833.8 Application no.: Patent no.: EP 671097

Countries applicable:

ETSI Deliverable:

Notes:

AT, BE, CH, DE, FR, GB, IT, LI, NL, SE

Company name: Nokia Project: **TETRA**

Method For Realising A Group Call In A Digital Radio Network Title:

Country of registration: PCT

PCT/FI92/00248 Application no.: Patent no.: WO 9307723

Countries applicable: **ETSI Deliverable:** Notes:

ETSI

Company name: Nokia Project: **TETRA**

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: EPO

Application no.: EP 92919957.8 Patent no.: EP 606282 AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Countries applicable:

ETSI Deliverable: Notes:

Company name: Nokia Project: **TETRA**

Method For Realising A Group Call In A Digital Radio Network Title:

Country of registration: AU 25722/92 Application no.: Patent no.: AU 665573

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project:

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: US

Application no.: US 08/211459 Patent no.: US 5594948

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call US

Country of registration:

Application no.: US 08/416, 731 US 5634197 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call

Country of registration: FPO EP 94924311.7 Application no.: Patent no.: EP 664069

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Notes:

Company name: Nokia Project: **TETRA** Title: Radio System Country of registration: PCT Application no.: PCT/FI93/00501 Patent no.: WO 9413089

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

Country of registration: FΙ Application no.: FI 930096 Patent no.: FI 92274

Countries applicable: **ETSI Deliverable:**

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

Country of registration: NO

Application no.: NO 943346 Patent no.: NO 9403346

Countries applicable: ETSI Deliverable:

Notes:

Company name: Nokia Project: **TETRA**

Call Control In A Digital TDMA Radio System Title: FPO

Country of registration: Application no.: Patent no.:

EP 94903913.5 EP 630548

Countries applicable:

ETSI Deliverable: Notes:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company name: Nokia Project: **TETRA**

Title: Call Control In A Digital TDMA Radio System

Country of registration:

JP 6-515724 Application no.: Patent no.: JP 7504793

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: **Nokia Corporation**

Project:

UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: NΖ Application no.: 303221 Patent no.: 303221 Countries applicable: N7

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: TETR/

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: CN Application no.: 98807590.3 Patent no.:

Countries applicable: CN

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: CA 2297899 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **TETRA**

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: BR

Application no.: PI9811041-1

Patent no.:

BR

Countries applicable:

ETS 300 392-3-5

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **TETRA**

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: FPO Application no.: 98936442.7 Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TFTRA**

UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 737862 Patent no.: 5901353 Countries applicable: US

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CN Application no.: 96190197.7 Patent no.: 96190197.7 Countries applicable: CN **ETSI Deliverable:**

ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: KR 70648219 Application no.: Patent no.:

Countries applicable: KR ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

Title: UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM

Country of registration: JΡ Application no.: 8528107

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: FΙ Application no.: 951270 Patent no.: 100215 Countries applicable: FΙ

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Nokia Corporation

Project: TETRA

Title: UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM

Country of registration: EPO
Application no.: 96905880.9
Patent no.:

Countries applicable: EPC

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: TETRA

Title: UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM

Country of registration: BR

Application no.: PI9605939-7
Patent no.: PI9605939-7
Countries applicable: BR

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: TETRA

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration:AUApplication no.:85435/98Patent no.:744702Countries applicable:AU

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: TETRA

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: FI
Application no.: 973125
Patent no.:
Countries applicable: FI

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: TETRA

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: MX Application no.: 000882

Patent no.:

Countries applicable: MX

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: TETRA

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: JP

Application no.: 2000-506781

Countries applicable: JP

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **TETRA**

Title: UPDATING SUBSCRIBER DATA OF A MOBILE COMMUNICATION SYSTEM

Country of registration: ΑU Application no.: 4946296 Patent no.: 705282 Countries applicable: ΑU

ETSI Deliverable:

ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TFTRA**

RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS Title:

Country of registration: KR

7000836/2000 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS Title:

Country of registration: US Application no.: 09/490964 Patent no.: 6480715 Countries applicable: US **ETSI Deliverable:**

ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS Title:

Country of registration: RU Application no.: 2000104526

Patent no.: Countries applicable: RU

ETSI Deliverable: ETS 300 392-3-5

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

Title: RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS

Country of registration: NO Application no.: 20000340

Patent no.:

Countries applicable: NO

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **TETRA**

RECOVERING GROUP DATA BETWEEN MOBILE SYSTEMS Title:

Country of registration: NZ Application no.: 502367 Patent no.: 502367 Countries applicable: ΝZ

ETSI Deliverable: ETS 300 392-3-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Securicor Wireless Technology**

Project: **TFTRA**

Title: Dual Sub-band modem

Country of registration: GB

Application no.: UK 9921951.1

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Thomson-CSF

Project: **TETRA**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

Country of registration: Application no.:

EPO 909159568

Patent no.: Countries applicable:

ETSI Deliverable:

This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant Notes:

sublicences

Company name: Thomson-CSF

Project: **TETRA**

Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes

Country of registration: PCT

Application no.: PCT/CA90/00381

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant

sublicences

Company name: Thomson-CSF

Project: **TETRA**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

Country of registration: US Application no.: 927 528 Patent no.: Countries applicable: US

ETSI Deliverable:

Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant

sublicences

Thomson-CSF Company name:

Project: **TETRA**

Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio

Country of registration: FR Application no.: 86/17877 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Thomson-CSF

Company name: Project:

Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio Title:

Country of registration:

Application no.:

EPO

FR

Patent no.: 87/4028541

Countries applicable:

ETSI Deliverable:

Notes:

Thomson-CSF

Company name: Project: **TETRA**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

Country of registration: CA Application no.: 2 010 830

Patent no.:

Countries applicable: CA

ETSI Deliverable:

Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant

sublicences.

TETRA DMO

Company name: Project: Title: Motorola TETRA DMO

Mobile Communications Methods, Systems and Units

Country of registration: Application no.: Patent no.: GB0121979.9

Countries applicable:

ETSI Deliverable:

EN 300 396-6 (Work Item Reference: DEN/TETRA-06070)
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

TFTS

Company name: Project: Title: BT TFTS

Skyphone Fax Coder PCT PCT/GB 92/10623 Country of registration:
Application no.:
Patent no.:
Countries applicable:
ETSI Deliverable:

DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

Notes:

Company name:
Project:
Title: BT

Skyphone Fax Coder EPO

Country of registration:
Application no.:
Patent no.:
Countries applicable:
ETSI Deliverable: Notes:

GB 92/02102

TIPHON

Company name: Telchemy Project: **TIPHON**

Title: Quality of Service Monitor for Multimedia Communications Systems

Country of registration:
Application no.: US 09/551,498

Patent no.:

Countries applicable: US

ETSI Deliverable: TS 101 329-5

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: Telchemy Project: TIPHON

Title: Dynamic Quality of Service Monitor

Country of registration: US Application no.: 09/574,472

Patent no.:

Countries applicable: US

ETSI Deliverable: TS 101 329-5

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, Notes:

in respect of the Standard, to the extent that the IPRs remain essential.

UICC

Company name: Giesecke & Devrient

Project: UICC

Title: Portable Data Support with a Break-Off Mini-Chip Card

Country of registration:

Application no.: Patent no.:

WO 00/43950

Countries applicable: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,

VN, YU, ZA, ZW

ETSI Deliverable: WI Ref.: RTS/SCP-010010; ETSI TS 102 221

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Giesecke & Devrient

Project: UICC

Title: Portable Data Support with a Break-Off Mini-Chip Card

Country of registration:

Application no.: Patent no.:

PCT/EP00/00366

Countries applicable: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,

VN, YU, ZA, ZW

ETSI Deliverable: WI Ref.: RTS/SCP-010010; ETSI TS 102 221

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange system comprising portable data processing units

Country of registration: N

Application no.: PCT/NL/95/00055 - 278967

Patent no.: 278 967
Countries applicable: NZ
ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange systems comprising portable data processing units

Country of registration: U

Application no.: PCT/NL/96/00311 - 09/528,713

Patent no.: 6 385 645
Countries applicable: US
ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange system comprising portable data processing units

Country of registration: Al

Application no.: PCT/NL/95/00055 - 15460/95

Patent no.: 681 754
Countries applicable: AU
ETSI Deliverable: TS 102 241

Notes: In accordance

In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange system comprising portable data processing units

Country of registration: EPO

Application no.: PCT/NL/95/00055 - 94200236.1

Patent no.: 666 550

Countries applicable: DE, FR, GB, IT, NL ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Smart card instruction set

Country of registration: RU

Application no.: PCT/NL/95/00055 - 96118111

Patent no.: 2 148 856
Countries applicable: RU
ETSI Deliverable: TS 102 241

15 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further

above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Coherent data structure with multiple interaction contexts for a smart card

Country of registration: US

Application no.: PCT/NL/95/00055 - 676,347

Patent no.: 5 802 519
Countries applicable: US

ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

Company name: Sun Microsystems, Inc.

Project:

Title: Coherent data structure with multiple interaction contexts for a smart card

Country of registration:

Application no.: PCT/NL/95/00055 - 09/141,255

Patent no.: 6 052 690 Countries applicable: US ETSI Deliverable: TS 102 241

Notes:

In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: **UICC**

Data exchange system comprising portable data processing units Title:

Country of registration: AU

PCT/NL/96/00311 - 66321/96 Application no.:

Patent no.: 706 393 Countries applicable: ΑU ETSI Deliverable: TS 102 241

Notes:

In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI,

that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: **UICC** Title: **Smart Card** Country of registration: CN

Application no.: PCT/NL/96/00311 - 95191544.4

Patent no.: 1 195 413 Countries applicable: CN

ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Sun Microsystems, Inc. Company name:

Project:

Title: Data exchange systems comprising portable data processing units

Country of registration: FPO

PCT/NL/96/00311 - 95202143.4 Application no.:

Patent no.: 757 336

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE

ETSI Deliverable: TS 102 241

Notes: In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with

reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange systems comprising portable data processing units

Country of registration: NZ

Application no.: PCT/NL/96/00311 - 313777

Patent no.: 313777

Countries applicable: NZ

ETSI Deliverable: TS 102 241

Notes: IS 102 24

In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: UICC

Title: Data exchange systems comprising portable data processing units

Country of registration: US

Application no.: PCT/NL/96/00311 - 09/011,513

Patent no.: 6 094 656
Countries applicable: US
ETSI Deliverable: TS 102 241

Notes: IS 102 241

In accordance with the ETSI IPR Policy, article 4.1, the SIGNATORY hereby informs ETSI that, with reference to UICC TS 102 241 Specification, SUN hereby declares its belief that the patent identified above might be considered ESSENTIAL in respect of the UICC TS 102 241 Specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the above mentioned patent, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on its continuing belief, also stated in prior declarations to ETSI, that Sun's standard license terms and conditions, as reflected in agreements that SUN has previously

UMTS

Company name:

AirTouch Communications

Project: Title:

UMTS

Network Management System US

Country of registration:

Application no.: Patent no.:

5,285,494

Countries applicable: **ETSI Deliverable:**

US

Notes:

Company name:

AirTouch Communications

Project:

Title:

Frequency Signal Generator Apparatus and Method for Simulating Interference in Mobile

Communications Systems

Country of registration:

Application no.: Patent no.:

5,220,680

Countries applicable: **ETSI Deliverable:**

Notes:

US

Company name:

AirTouch Communications

Project:

Piggy-Back Number and Routing Isolation for Cellular Telephone Switches Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

5,216,703 US

ETSI Deliverable:

Notes:

Company name: **AirTouch Communications**

Project:

Zoned Microcell with Sector Scanning for Cellular Telephone System Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: 5,193,109 US

ETSI Deliverable:

Notes:

AirTouch Communications

Company name: Project: **UMTS**

Title: Cellular Telephone System

US

Country of registration: Application no.:

Patent no.: 4,932,049 Countries applicable: US

ETSI Deliverable:

Notes:

Company name:

AirTouch Communications

Project:

Title: In-Building Telephone Communication System US

Country of registration:

Application no.:

Patent no.: 5,349,631 Countries applicable: ÚS

ETSI Deliverable:

Notes:

AirTouch Communications Company name:

Project:

Title: Satellite Mobile Communication System for Rural Service Areas US

Country of registration:

Application no.: Patent no.: 5,081,703

Countries applicable: **ETSI Deliverable:**

Notes:

US

AirTouch Communications

Project:

Title:

Digital Microcells for Cellular Networks

Country of registration:

Application no.:

Patent no.: Countries applicable: 5,678,186 US

ETSI Deliverable:

Notes:

AirTouch Communications

Company name: Project:

Title:

CDMA Transmission Delay Method and Apparatus

Country of registration: Application no.:

US

Patent no.: Countries applicable: 5,479,397 US

ETSI Deliverable:

Notes:

Company name:

AirTouch Communications

Project: Title:

Microcells for Digital Cellular Telephone Systems

Country of registration: Application no.:

US

Patent no.: Countries applicable:

5,504,936 ÚS

ETSI Deliverable:

Notes:

AirTouch Communications

Project: Title:

Country of registration:

Microcell System for Cellular Telephone Systems

Application no.:

Company name:

US

Patent no.: Countries applicable: 5,506,147 US

ETSI Deliverable:

Company name:

Notes:

AirTouch Communications

Project:

Title: Spectral Sharing Communication System with Minimal Inter-Signal Interference

US

Country of registration:

Application no.: Patent no.:

5,507,020 US

Countries applicable: **ETSI Deliverable:**

Notes:

AirTouch Communications

Project:

Title: Method and Apparatus for Fraud Control in Cellular Telephone Systems

Country of registration:

Application no.:

Company name:

Patent no.: 5,555,551 Countries applicable:

ETSI Deliverable:

Notes:

Company name: Project:

AirTouch Communications

Title:

UMTS Microcell System in Digital Cellular

Country of registration:

Application no.: Patent no.:

5,243,598 US

Countries applicable: **ETSI Deliverable:**

Notes:

AirTouch Communications

Project:

US

Title:

Method and Apparatus for Fraud Control in Cellular Telephone Systems Utilizing RF Signature

Comparison

Country of registration:

Application no.:

Patent no.: Countries applicable: 5,420,910

ETSI Deliverable:

Notes:

US

Company name: **ALCATEL UMTS**

Project: Title:

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE **CELLULE UMTS**

Country of registration:

Application no.: Patent no.:

US 09/282444

ALCATEL

Countries applicable:

ETSI Deliverable:

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

UMTS

Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage Title:

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration:

Application no.:

2782428 Patent no.: Countries applicable: FR

ETSI Deliverable: TS 25.223 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL Project:

UMTS Title:

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES FR

Country of registration:

Application no.: Patent no.:

2787279 FR

Countries applicable: **ETSI Deliverable:**

TS 25.212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project:

UMTS

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun. notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration:

Application no.: Patent no.:

3210918

Countries applicable: **ETSI Deliverable:**

JP TS 25.223

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

ALCATEL

Project:

UMTS

Title:

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: Application no.:

JP 2000-4473

Patent no.: Countries applicable:

JΡ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project: Title:

UMTS Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration:

Application no.:

09/291748

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

TS 25.223

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

ALCATEL

UMTS

Title:

Notes:

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS. PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

CELLULE UMTS

Country of registration:

Application no.:

CN CN1254246A

Patent no.:

Countries applicable:

ETSI Deliverable:

CN

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL**

Project: UMTS Title:

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.:

EPO 1009117

Patent no.:

Countries applicable:

ETSI Deliverable:

DE, ES, FI, FR, GB, IT, SE

TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL**

Project: UMTS

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

type à accès multiple par répartition de codes.

Country of registration:

Application no.: Patent no.:

KR

2000-17241

Countries applicable:

KR

ETSI Deliverable:

TS 25,223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: Application no.: 2810177 Patent no.: Countries applicable: FR ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: KR

Application no.: 10-2001-27009

Patent no.:

Countries applicable: KR

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: US

Application no.: 2002-0002057 Patent no.:

Countries applicable: US

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES FPO

Country of registration: Application no.:

Patent no.:

1164717

Countries applicable:

ETSI Deliverable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: JP

Application no.: 2002-33700

Patent no.: Countries applicable:

JΡ

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration:

CA Application no.: 2262804

Patent no.:

CA

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

ALCATEL

Project:

UMTS

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration:

Application no.: Patent no.:

2778055

Countries applicable: **ETSI Deliverable:**

FR

FR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project:

UMTS

Title:

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: Application no.:

FPO

Patent no.:

954195

Countries applicable: **ETSI Deliverable:**

DE, ES, GB, IT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL UMTS

Project: Title:

PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.:

Patent no.:

10-2001-32722

Countries applicable: **ETSI Deliverable:**

KR TS 25.214

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL UMTS

Project: Title:

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration:

Application no.:

Patent no.:

2002-16547

Countries applicable: ETSI Deliverable:

Notes:

TS 25.433; TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project: Title:

UMTS

PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.:

CN

Patent no:

CN 1329443A

Countries applicable: **ETSI Deliverable:**

CN

Notes:

TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: UMTS

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.: 2000-332682 Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK

Country of registration: JP

2000-315 978 Application no.:

Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** TS 25.836

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: **EPO** Application no.: 1045528

Patent no.: Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: ΑIJ

2599/00 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: CN

Application no.: CN1270453A Patent no.:

Countries applicable: CN **ETSI Deliverable:** TS 25.214 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: JP

Application no.: 2000-0332681

Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** TS 25 214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: Application no.: 2000-71633 Patent no.:

Countries applicable: KR **ETSI Deliverable:** TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.:

Patent no.: 6337987 Countries applicable: US ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: FPO Application no.:

1045529

Patent no.:

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: UMTS

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration:

PCT 2001-43892 Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: CN

Application no.: CN1270481A

Patent no.: Countries applicable: CN **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: UMTS

Makro-Diversity-Übertragung in einem Mobilfunksystem Title:

Country of registration: Application no.: 09/398760

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.401; TS 25.427

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: UMTS

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: Application no.: 2000-71632 Patent no.:

Countries applicable: KR **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.:

Patent no.: 6337988 Countries applicable: US ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: PCT

Application no.: 1069704; 1172943; WO 01/05055

Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR **ETSI Deliverable:** TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: ΑIJ

Application no.: Patent no.:

PCT 62794/00

Countries applicable:

TS 25.331; TS 25.214 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.: PCT CN 1318229A

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331; TS 25.214 Notes:

CN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.:

Patent no.:

PCT 2001-509172

Countries applicable:

ETSI Deliverable: TS 25.331; TS 25.214

JΡ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration:

Application no.: PCT 10-2001-7003229 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: PCT

Application no.: 1124340; WO 01/59954

Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **UMTS** Title: TD-CDMA

Country of registration: Application no.: Patent no.: Countries applicable: ETSI Deliverable:

Notes:

Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

Company name: **ALCATEL** Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: Application no.:

Patent no.:

Countries applicable: AU

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration: PCT

Application no.: 1079542; W0 00/59131 Patent no.: Countries applicable: DE, ES, FR, GB, IT

ΑIJ 25230/00

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS Title:

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.: CN1256601A

Patent no.:

Countries applicable:

CN

ETSI Deliverable: TS 25 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL UMTS

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: JF

Application no.: 2000-201 133

Patent no.:
Countries applicable: JP

ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL UMTS

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 2000-57048

Patent no.:

KR

Countries applicable: ETSI Deliverable:

TSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: US

Application no.: 09/291654
Patent no.:
Countries applicable: US
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL UMTS

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: EPO **Application no.:** 1033846

Patent no.:

Notes:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

Countries applicable: AT, BE,

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: AU
Application no.: 19258/06
Patent no.:
Countries applicable: AU
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: CN1268825A

Patent no.:

CIVIZ

Countries applicable:

CN TS 25.331

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS Title:

COMMUNICATION SYSTEM

Country of registration:

Application no.: 2000-308146 Patent no.:

Countries applicable: JΡ **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/280675

Patent no.:

Countries applicable: US ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK Title:

Country of registration: AU Application no.: 22383/00 Patent no.: Countries applicable: ΑU ETSI Deliverable: TS 25.836

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration:

1270629: W0 02/41522 Application no.:

Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration:

Application no.: 1077556; WO 01/13580

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: TS 29.007

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: UMTS

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration:

Application no.: PCT CN 1297625A

Patent no.:

Countries applicable: CN **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration:

Application no.: PCT/EP00/02723

Patent no.:

Countries applicable: ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL**

Project: **UMTS**

Sendeleistungsregelung in einem Mobilkommunikationssystem Title:

Country of registration: Application no.:

09/313359

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

TS 25.214

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage Title:

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration:

Application no.:

0980159

ÉPO

Patent no.: Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25,223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Makro-Diversity-Übertragung in einem Mobilfunksystem Title:

Country of registration: Application no.: WO 01/03358 Patent no.: 1069724

Countries applicable: DE, ES, FR, GB, IT **ETSI Deliverable:** TS 25.401; TS 25.427

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Makro-Diversity-Übertragung in einem Mobilfunksystem Title:

Country of registration: CN

Application no.: PCT 1317186

Patent no.:

Countries applicable: CN

TS 25.401; TS 25.427

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Makro-Diversity-Übertragung in einem Mobilfunksystem Title:

Country of registration:

Application no.: PCT 2001-508102

Patent no.:

Countries applicable: JP

ETSI Deliverable: TS 25.401; TS 25.427

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration:

Application no.: PCT 2001-73117

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.401: TS 25.427

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL**

Project:

UMTS

Title:

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: Application no.:

ΑU 64359/99

Patent no.:

Countries applicable: ETSI Deliverable:

ΑU TS 25.212

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project:

UMTS PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

2002-0003785A1 Application no.:

Patent no.:

Countries applicable:

US TS 25.214

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL

Project:

Title:

UMTS

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration:

Application no.:

2702614

Patent no.: Countries applicable:

FR **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL UMTS

Project: Title:

PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

EPO

Application no.: Patent no.:

941 006

Countries applicable:

ETSI Deliverable:

DE, ES, FI, GB, IT, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

ALCATEL UMTS

Project: Title: Country of registration:

Funksystem **EPO** 0641093

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

DE, ES, FR, GB, IT

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: **UMTS** Title: Funksystem Country of registration: CN

Application no.:

Patent no.:

94115600.1

CN

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS** Title: Funksystem Country of registration: JΡ Application no.: 203812/94

Patent no.:

Countries applicable:

ETSI Deliverable:

JP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS** Funksystem Title: Country of registration: US

Application no.:

Patent no.:

5592469 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES, ET DISPOSITIF Title:

D'ENTRELACE-MENT CORRESPONDANT

Country of registration:

Application no.:

Patent no.:

0627821

BE, CH, DE, ES, FR, GB, IT, NL, SE Countries applicable:

ETSI Deliverable: TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES, ET DISPOSITIF

D'ENTRELACE-MENT CORRESPONDANT

Country of registration:

Application no.:

FR

Patent no.: 2706054 Countries applicable: FR **ETSI Deliverable:** TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project:

Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und Title:

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration:

Application no.: Patent no.:

PCT 2001-517753

JΡ Countries applicable: TS 29.007 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: UMTS

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration:

Application no.: Patent no.:

0615353

EPO

Countries applicable: BE, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title:

Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration: CN

Application no.:

PCT 1360774A

Patent no.:

CN

Countries applicable: **ETSI Deliverable:**

TS 29.007

AU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration:

Application no.:

Patent no.: 673576 Countries applicable: ΑU **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration:

Application no.: Patent no.:

CN1324195A

Countries applicable:

CN

CN

ETSI Deliverable:

TS 25.433; TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: CN

Application no.: Patent no.:

PCT CN 1363148A

Countries applicable:

CN

ETSI Deliverable: TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage Title:

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: CN

Application no.: CN1255792A

Patent no.:

Countries applicable:

CN TS 25.223

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: UMTS

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration:

Application no.: PCT 2001-559164

Patent no.:

Countries applicable: JΡ

ETSI Deliverable:

TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: KR

Application no.: PCT 10.2001-7012756

Patent no.:

Countries applicable: KR

ETSI Deliverable: TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: US

Application no.: 09/599519 Patent no.:

Countries applicable: US **ETSI Deliverable:**

TS 25.331; TS 25.433 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES ΑIJ

Country of registration: Application no.:

Patent no.:

14296/99

Countries applicable:

ETSI Deliverable:

ΑU

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES, ET DISPOSITIF Title:

D'ENTRELACE-MENT CORRESPONDANT

Country of registration:

Application no.:

Patent no.: 5742612 Countries applicable: US **ETSI Deliverable:** TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.: CN1233927A

Patent no.:

CN

CN

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL**

Project: UMTS

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: FR Application no.: 2809252 Patent no.:

Countries applicable: FR

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

> MOBILE. US

Country of registration: Application no.: 2002-0004371

Patent no.:

Countries applicable: US

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE.

Country of registration: KR

Application no.: 10-2001-27264

Patent no.: Countries applicable: KR **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE. JP

Country of registration: Application no.: Patent no.:

2002-16981

Countries applicable:

JΡ

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **UMTS**

Title: W-CDMA, TD-CDMA

Country of registration: Application no.: Patent no.: Countries applicable: **ETSI Deliverable:**

Alcatel Alsthom, Companie Générale d'Electricité has declared that their Affiliates and themselves are Notes:

prepared to grant irrevocable licenses under the IPRs they own on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, to the extent that the IPRs are essential for any ETSI

standard relating to the TD-CDMA proposal and the W-CDMA proposal.

Company name: **ALCATEL UMTS** Project:

Title: PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE

TRANSMETTANT EN MACRO-DIVERSITE

EPΩ Country of registration: Application no.: Patent no.:

1156595

Countries applicable:

ETSI Deliverable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL** Project: UMTS

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: US Application no.: 09/245333 Patent no.: Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration: US Application no.: 09/414312

Patent no.:

US Countries applicable: ETSI Deliverable: TS 29.007

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE. CN

CA 2258352

Country of registration:

Application no.: CN 1325201A Patent no.:

Countries applicable: CN **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** UMTS Project:

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: Application no.: Patent no.:

Countries applicable:

CA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: FΙ

Application no.: 941066

Patent no.: Countries applicable: FΙ **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN Title:

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

JΡ Country of registration: Application no.:

7469/95

Patent no.: Countries applicable:

.IP

ETSI Deliverable:

TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ALCATEL**

Project: UMTS

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN Title:

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE US

Country of registration:

Application no.:

Patent no.: 5564075 Countries applicable: US

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL

Project: **UMTS**

Title: PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK **EPO**

Country of registration: Application no.:

1041746

Patent no.:

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.836

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL**

Project: **UMTS**

PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.:

Patent no.: 2 774 842 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name:

Project: UMTS

PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION Title:

MOBILE.

Country of registration:

Application no.:

Patent no.: 2809273 Countries applicable: FR **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE.

Country of registration: FPO Application no.: 1156698

Patent no.:

Countries applicable: **ETSI Deliverable:**

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: ΑU Application no.:

PCT

Patent no.:

Countries applicable:

ΑU

ETSI Deliverable: TS 25.331; TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: UMTS

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: .IP

Application no.: 275628/99 Patent no.: Countries applicable: JΡ

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Processing Unexpected Transmission Interruptions in a Wireless Communications System

Country of registration: US Application no.: 09/683,085

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US **ETSI Deliverable:** 3GPP TS 25.322; ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Sequence Number Ordering in a Wireless Communications System

Country of registration: US Application no.: 09/756,737

Patent no.:

CN, DE, FI, FR, GB, JP, KR, SE, TW, US Countries applicable:

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Window Based Stall Avoidance Mechanism for High Speed Wireless Communication System

Country of registration: US

Application no.: 60/345,682

Patent no.:

Countries applicable: CN. DE, FI, FR, GB, JP, KR, SE, TW, US **ETSI Deliverable:** 3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Method for Handling Ciphering Status in a Wireless Network

Country of registration: US Application no.: 10/064,778

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.331; ETSI TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Time Based Stall Avoidance Mechanism for High Speed Wireless Communication System Title:

Country of registration: US Application no.:

60/345,676

Patent no.: Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: 3GPP TS 25.321; ETSI TS 125 321 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ASUSTeK** Project: UMTS

Title: Method of Initializing Hyper-Frame Numbers during an Establishment of a New Radio Bearer in a

Wireless Network

Country of registration: US Application no.: 10/064,866 Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.331; ETSI TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Window-Based Polling Scheme for a Wireless Communications Protocol

Country of registration: US Application no.: 09/822,238 Patent no.:

Countries applicable: TW, US

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Wireless Communications Device with a State Model

Country of registration: US Application no.: 09/681,991 Patent no.:

Countries applicable: TW, US

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK**

Project: **UMTS**

Title: Robust RLC Reset Procedure in a Wireless Communication System

Country of registration: US

Application no.: 60/338,148

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US **ETSI Deliverable:** 3GPP TS 25.322; ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Length Indicator for a Protocol Data Unit in a Wireless Communications Protocol

Country of registration: US Application no.: 09/822,226 Patent no.:

Countries applicable: TW. US

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Determination of Acceptable Sequence Number Ranges in a Communications Protocol

Country of registration: US Application no.: 09/779,490 Patent no.: Countries applicable: TW, US

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ASUSTeK** Project: UMTS

Title: Initialization for Hyper Frame Number of Signaling Radio Bearers

Country of registration: Application no.: 10/064,865

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.331; ETSI TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK**

Project: **UMTS**

Preventing Shortened Lifetimes of Security Keys in a Wireless Communications Security System Title:

Country of registration: Application no.:

US 09/682,310

Patent no.:

Countries applicable: **ETSI Deliverable:**

CN, DE, FI, FR, GB, JP, KR, SE, TW, US 3GPP TS 25.331; ETSI TS 125 331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ASUSTeK Company name: Project: **UMTS**

Preventing Excessive Use of Security Keys in a Wireless Communications Security System Title:

Country of registration: US Application no.: 09/682,311

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US **ETSI Deliverable:** 3GPP TS 25.331; ETSI TS 125 331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASHSTeK** Project: **UMTS**

Title: A Scheme to Handle Timers after an RLC Reset or Re-establishment

Country of registration: US Application no.:

10/064,747

Patent no.: Countries applicable: ETSI Deliverable:

CN, DE, FI, FR, GB, JP, KR, SE, TW, US 3GPP TS 25.322: ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Missing Gap Removing Schemes in High Speed Wireless Communication Systems

Country of registration: US Application no.: 60/353.389

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US ETSI Deliverable: 3GPP TS 25.322: ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Applicable PDU Range Test and Calculation fo Window-Based Polling Title:

Country of registration: US Application no.: 09/683,084

Patent no.: Countries applicable:

ETSI Deliverable:

CN, DE, FI, FR, GB, JP, KR, SE, TW, US 3GPP TS 25.322; ETSI TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **ASUSTeK** Project: UMTS

Title: Correction to the Handling of RLC Unrecoverable Error on Dedicated Channel

Country of registration:

Application no.: 60/319,465

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US ETSI Deliverable: 3GPP TS 25.331: ETSI TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK**

Project: **UMTS**

Data Discard Signalling Procedure in a Wireless Communication System Title:

Country of registration: Application no.:

60/353,207

Patent no.: Countries applicable:

CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ASUSTeK Company name: Project: **UMTS**

Enhancement to the Recovery Mechanism for Cell Update Procedure in Cell_DCH State Title:

Country of registration: US Application no.: 60/377,577

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US 3GPP TS 25.331; ETSI TS 125 331

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASHSTeK**

Project: **UMTS**

Lossless SRNS Relocation Procedure in a Wireless Communications System Title: US

Country of registration: Application no.:

09/682,006

Patent no.: Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US ETSI Deliverable: 3GPP TS 25.331; ETSI TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Method for Determining RLC Entity Re-establishment during RNS Relocation

Country of registration: US Application no.: 10/064.202

Patent no.:

ETSI Deliverable:

Notes:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: 3GPP TS 25.331: ETSI TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Method for Determining Triggering of a PDCP Sequence Number Synchronization Procedure Title:

Country of registration: US Application no.: 60/319,240

Patent no.: Countries applicable:

CN, DE, FI, FR, GB, JP, KR, SE, TW, US 3GPP TS 25.323; ETSI TS 125 323

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

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Company name: **ASUSTeK** Project: UMTS

Title: Abnormal Case Handling for Acknowledged Mode Transmission

Country of registration:

Application no.: 60/380,106

Patent no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US ETSI Deliverable: 3GPP TS 25.322; ETSI TS 125 322

CCETT

UMTS

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Canon Project: **UMTS**

UTRA Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Canon (Canon Research France - CRF) has declared that, in the event the proposed standard is adopted, Notes:

it is ready to grant licenses under the Essential IPR(s) of the "standard", owned by CRF, on fair, reasonable and non-discriminatory terms and conditions, and provided that a similar grant under

licensee's Essential IPR(s) is made available upon request of CRF.

Company name:

Project: Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

CCETT (Centre Commun d'Etudes de Télédiffusion et Télécommunications) has declared that it is prepared to grant irrevocable licenses under IPRs it controls and which may be considered Essential (the IPRs) to the Standards UMTS (the Standards), granted or pending, relatively to the different technologies of the Standards as UTRA, access network, core network, SIM, etc., on terms and conditions which are in

accordance with clause 6.1 of the ETSI IPR Policy, in respect of the Standard, to the extent that IPRs

remain Essential.

Company name: **Ericsson** Project: **UMTS**

Title: Random access in a mobile telecommunications system

Country of registration: US

WO 99/60729 Application no.: Patent no.: US-6381229

Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS** Title: Pre-page timer Country of registration: US

Application no.: WO 00/30392 Patent no.: US-6330444

Countries applicable: **ETSI Deliverable:** Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Communication network and method for charging and accounting

Country of registration:

Application no.: EP1014619

Patent no.:

Countries applicable: ETSI Deliverable:

DE, ES, FI, FR, GB, IT, NL, SE

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Title: Speech coding with comfort noise variability feature for increased fidelity

Country of registration: US

Application no.: WO 00/31719

Patent no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Multi-service handling by a single mobile station

Country of registration: US

Application no.: WO 99/16264 Patent no.: US-6363058

Countries applicable: **ETSI Deliverable:**

AR, AU, CA, CN, DE, GB, IN, IT, JP, KR, MY, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

System and method for mobile assisted admission control Title:

Country of registration: US

Application no.: WO 99/17582 US-6028851 Patent no.:

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Multiple access communications system using code and time division

Country of registration: US

Application no.: WO 97/32413 Patent no.: US-5894473

ETSI Deliverable:

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MY, NL, SE, SG, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Adaptive channel type selector

Country of registration:

Application no.: WO 99/66748 Patent no.: US-6347091

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SE, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Code allocation for radiocommunication systems

Country of registration: US

Application no.: WO 99/60809

Patent no.: Countries applicable:

AR, AU, CA, CN, DE, GB, IT, JP, KR, TW, US

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Reducing sparseness in coded speech signals Title:

Country of registration: US Application no.: WO 99/12156 Patent no.: US-6029125

Countries applicable: **ETSI Deliverable:**

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Bandwidth efficient acknowledgement/negative acknowledgement in a communication system using Title:

automatic repeat request (ARQ)

Country of registration: US

WO 00/33502 Application no.: Patent no.: US-6367045 Countries applicable:

ETSI Deliverable:

Notes:

AR, DE, GB, MY, TW, US

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Company name: **Ericsson** Project: UMTS

Title: Method and arrangement relating to telecommunications systems

Country of registration: US

Application no.: WO 96/34504 Patent no.: US-6052589

Countries applicable:

AU, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, SE, SG, US

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

796

Company name: **Ericsson** Project: **UMTS**

Title: Method and arrangement for increasing the range for a telecommunication network in a

telecommunication system

Country of registration: US

Application no.: WO 96/34504 US-6154647 Patent no.:

Countries applicable: **ETSI Deliverable:**

AU, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Direct Sequence CDMA Coherent Uplink Detector Title:

Country of registration: Application no.: 235,527 US-5544156 Patent no.: Countries applicable: NZ, SG, US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Title: Multiple Access Coding Using Bent Sequences for Mobile Radio Communications

Country of registration: Application no.: 291,693 US-5550809 Patent no.: US

Countries applicable: **ETSI Deliverable:**

Notes:

Company name:

Project:

Ericsson UMTS

Title: Transceiver Algorithms of Antenna Arrays

Country of registration: SE Application no.: 195,224 US-5566209 Patent no.: Countries applicable: US

ETSI Deliverable:

Notes:

Company name: **Ericsson UMTS**

Project: Method and System for Demodulation of Downlink CDMA Signals Title:

Country of registration: SF Application no.: 187,062 Patent no.: US-5572552 Countries applicable: US

ETSI Deliverable:

Company name:

Notes:

Ericsson UMTS

Project: Title: Automatic Retransmission Request

Country of registration: SE Application no.: 332,114 Patent no.: US-5633874 Countries applicable:

ETSI Deliverable:

Notes:

US

Company name: **Ericsson** Project: **UMTS**

Title: Method of increasing the number of call options in a mobile telephone system

Country of registration: US Application no.: US 852790 Patent no.: US-4669107 Countries applicable: AU, GB, SE, US

ETSI Deliverable:

Notes:

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797

Company name: Ericsson Project: UMTS

Title: System and Method for Setting of Output Power Parameters in a Cellular Mobile Telecommunications

System

Country of registration: SE
Application no.: 411,426
Patent no.: US-5634195
Countries applicable: US

ETSI Deliverable:

Company name:

Notes:

Project:

Notes:

Ericsson UMTS

Title: Minicell segmentation and reassembly

Country of registration: US
Application no.: WO 97/38550
Patent no.: US-5822321

Countries applicable: ETSI Deliverable:

 $\mathsf{AU},\,\mathsf{BR},\,\mathsf{CA},\,\mathsf{CN},\,\mathsf{DE},\,\mathsf{ES},\,\mathsf{FI},\,\mathsf{FR},\,\mathsf{GB},\,\mathsf{IN},\,\mathsf{IT},\,\mathsf{JP},\,\mathsf{KR},\,\mathsf{MX},\,\mathsf{MY},\,\mathsf{RU},\,\mathsf{SG},\,\mathsf{TH},\,\mathsf{TW},\,\mathsf{US}$

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Complex signal activity detection for improved speech/noise classification of an audio signal

Country of registration: US

Application no.: WO 00/31720

Patent no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

ETSI Deliverable: Notes:

SIGN

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: A method for achieving optimal channel coding in a communication system

Country of registration: US

Application no.: US 08/544491
Patent no.: US-5757813
Countries applicable: US

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Correction of received signal and interference estimates

Country of registration: US

Application no.: WO 01/65717 Patent no.:

Countries applicable: ETSI Deliverable:

AR, DE, FI, FR, GB, IT, SE, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Network control user equipment capabilities indication

Country of registration:

Application no.: WO 01/26409

Patent no.:

Countries applicable: ETSI Deliverable:

AR, DE, FI, FR, GB, IT, MY, SE, TW, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Inter-system handover - generic handover mechanisms

Country of registration: US

Application no.: WO 00/60895

Patent no.:

ETSI Deliverable:

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

Arrangement for improving the speech quality, especially voice over IP calls US

Country of registration:

Application no.:

Patent no.:

Countries applicable:

AU, CN, DE, FI, FR, GB, IT, JP, KR, NO, SE, US

ETSI Deliverable: Notes:

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The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Company name:

Project:

Ericsson UMTS

Title:

Processing of calls terminating in a packet switched protocol based cellular communication network

Country of registration:

Application no.:

WO 00/67500

WO 00/54529

Patent no.:

Countries applicable:

CA, CN, DE, FI, FR, GB, IT, SE, US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Update of header compression state in packet communications US

Country of registration: Application no.:

Patent no.:

WO 00/51308

Countries applicable:

ETSI Deliverable:

AR, CA, CN, DE, FI, FR, GB, IT, JP, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ETSI

Title: Link layer acknowledgment and retransmission for cellular telecommunications

Country of registration: US

Application no.: WO 01/37473

Patent no.: Countries applicable:

Countries applicable: ETSI Deliverable:

ole: AR, DE, FI, FR, GB, IT, MY, SE, TW, US

Notes:

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Company name: Ericsson Project: UMTS

Title: Adaptive RACH power determination for mobile telecommunications user equipment unit

Country of registration: US

Application no.: WO 01/28126

Patent no.:

Countries applicable: AR, DE, FI, FR, GB, IT, MY, SE, TW, US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Project:**

Ericsson UMTS

Title: Event based

Event based reporting of mobile station measurements

n: US

Country of registration:

Application no.: WO 00/70897 Patent no.:

Countries applicable:

AR, AU, BR, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MY, SE, TW, US, ZA

ETSI Deliverable:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson

Project: UMTS
Title: Power control based on combined quality estimates

Country of registration: US

Application no.: WO

Patent no.:

WO 01/01602

Countries applicable:

AR, AU, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

711X, 710, 014, 012, 11, 11X, 013, 117, 01 , 1X1X, 1111, 012, 11V, 00

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson
Project: UMTS

Title: Dynamic Control of Transmitting Power at a Transmitter and Attenuation at a Receiver

Country of registration: SE
Application no.: 061,043
Patent no.: US-5669066

Countries applicable:

ETSI Deliverable:

AU, MX, PK, TR, TW, US, ZA

Notes:

Title: Base station power synchronization at soft handover

Country of registration:

Application no.: WO 99/31819

Patent no.: Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Methods and systems for mode selection based on access network capacity

Country of registration: US

Application no.: WO 99/60796

Patent no.:

Countries applicable: CA, DE, GB, JP, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **UMTS**

Minicell voice and data multiplexing Title:

Ericsson

Country of registration: US Application no.: WO 97/48251 Patent no.: US-5802051

Countries applicable: **ETSI Deliverable:**

AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MX, MY, PH, RU, SG, TH, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Speech coding including soft adaptability feature Title:

Country of registration: US

Application no.: WO 99/45532 Patent no.: US-6058359

Countries applicable:

CN, DE, FR, GB, JP, US

Notes:

ETSI Deliverable:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Method and apparatus for addressing a wireless communication station with a dynamically assigned

> address US

Country of registration:

Application no.: WO 97/48246 US-5708655 Patent no.:

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, MX, NL, NZ, US

ETSI Deliverable: Notes:

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Title: Telecommunications inter-exchange congestion control

Country of registration:

Application no.: WO 99/45735 Patent no.: US-6233222

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Atm method and apparatus utilizing decoupling minicells

Country of registration: US

Application no.: WO 97/44907 Patent no.: US-5809023

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **UMTS**

Project: Title:

Telecommunications inter-exchange measurement transfer

Country of registration: Application no.:

US

Patent no.:

WO 99/45736

Countries applicable:

ETSI Deliverable:

Notes:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. **Ericsson**

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Company name: Project: UMTS

Title: Subscriber database management in a mobile telecommunications system Country of registration:

Application no.: WO 97/31500

Patent no.: Countries applicable: US-5956637

ETSI Deliverable:

DE, FI, FR, GB, IT, US

Notes:

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ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: System and method for positioning a mobile station in a CDMA cellular system

Country of registration: US

Application no.: WO 99/21388 Patent no.: US-6157842

Countries applicable: **ETSI Deliverable:**

AR, AU, CA, CN, DE, GB, IN, IT, KR, MY, TW, US, ZA

Notes:

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Title: Slotted mode code usage in a cellular communications system

Country of registration:

Application no.: WO 00/27052 Patent no.: US-6339646

Countries applicable:

ETSI Deliverable: Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, SE, TW, US, ZA

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: System and method for setting of output power parameters in a cellular mobile telecommunication system

Country of registration: US

Application no.: WO 96/31013 Patent no.: US-5634195

Countries applicable:

AU, BR, CA, MX, NZ, US ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Method and system for decoding codec mode information using a priori knowledge Title:

Country of registration: US Application no.: WO 00/13363 Patent no.: US-6256487

Countries applicable: **ETSI Deliverable:**

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Control/pilot channel reselection between cells belonging to different registration areas Title:

Country of registration:

Application no.: WO 97/33448 US-5930710 Patent no.:

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CL, CN, CO, DE, GB, IT, JP, KR, MY, TH, TW, US, UY, VE

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Minicells with variable payload size Title:

Country of registration: US

Application no.: WO 97/27690 Patent no.: US-6341131

Countries applicable: **ETSI Deliverable:**

AU, BR, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

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under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method and system for facilitating timing of base stations in an asynchronous CDMA mobile

communications system

Country of registration: US

Application no.: WO 99/41854 Patent no.:

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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Company name: Ericsson
Project: UMTS

Title: Modified downlink power control during macrodiversity

Country of registration: US

 Application no.:
 WO 98/56200

 Patent no.:
 US-6085108

Countries applicable: ETSI Deliverable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TH, TW, US, ZA

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Efficient apparatus for simultaneous modulation and digital beamforming for an antenna array

Country of registration: US
Application no.: WO 97/21284
Patent no.: US-5909460

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FR, GB, JP, KR, SE, SG, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Efficient transport of internet protocol packets using asynchronous transfer mode adaptation layer two

Country of registration: US

Application no.: WO 99/16284
Patent no.: US-6041054
Countries applicable: AU. BR. CA. C

ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson
Project: UMTS

Title: Multistage diversity handling for CDMA mobile telecommunications

Country of registration: US

Application no.: WO 99/27740 **Patent no.:** US-6246878

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, TW, US

ETSI Deliverable: Notes:

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Title: Re-orthogonalization of wideband CDMA signals

Country of registration:

Application no.: WO 97/22185 Patent no.: US-5862173

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FR, GB, JP, KR, SE, SG, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: A method for paging mobile stations

Country of registration: US

Application no.: WO 97/15167 Patent no.: US-6091960

Countries applicable:

ETSI Deliverable: Notes:

BR, CA, CN, DE, GB, HK, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Title:

An enhanced channel allocation process

Country of registration: Application no.:

Patent no.:

WO 97/15163

US

Countries applicable:

ETSI Deliverable:

BR, CA, MX, US

Notes:

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ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Company name:

Ericsson UMTS

Project: Title: Muting a microphone in radiocommunication systems

Country of registration:

Application no.: WO 98/09374 Patent no.: US-5881373

Countries applicable:

AR, AU, BR, CA, CL, CN, CO, ID, IN, JP, KR, NO, RU, TR, US

ETSI Deliverable:

Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Open 'plug and play' O and M architecture for a radio base station

Country of registration: US Application no.: WO 99/22541 Patent no.: US-6041228

Countries applicable:

ETSI Deliverable:

Notes:

AU, CA, CN, DE, GB, IT, JP, KR, SE, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Page response on existing radio signalling channel

Country of registration:

Application no.: WO 00/33599 Patent no.: US-6285667

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Deterministic variation of codebook structure

Country of registration: US

Application no.: WO 00/16314

Patent no.: Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Ericsson Project: **UMTS**

Method and system for soft handoff control based on access network capacity Country of registration: US

Application no.: WO 99/60797 Patent no.: US-6381458

Countries applicable:

AR, AU, CA, CN, DE, GB, IT, JP, KR, TW, US

ETSI Deliverable: Notes:

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Company name: **Ericsson**

Project: UMTS

Title: Bearer independence signalling protocol

Country of registration:

Application no.: WO 99/55095

Patent no.:

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Multicell area paging for cellular telecommunications system

Country of registration: US

Application no.: WO 99/57935 Patent no.: US-6292667

Countries applicable: **ETSI Deliverable:**

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, TW, US, ZA

Notes:

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Title: Downlink power control in a cellular mobile radio communications system

Country of registration:

Application no.: WO 99/52226 Patent no.: US-6144861

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Intelligent networks and packet data network interworking

Country of registration: US

Application no.: WO 99/60801 Patent no.:

Countries applicable: AU, BR, CA, CN, DE, FR, GB, IN, JP, KR, MX, RU, SG, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Data transmission over a communications link with variable transmission rates Title:

Country of registration: US Application no.: WO 99/59278 Patent no.: US-6307867

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: UMTS

Increasing performance in communications by embedding one signal in another signal Title:

Country of registration:

Application no.: WO 99/65171 Patent no.: US-6285663

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Flexible radio access and resource allocation in a universal mobile telephone system Title:

Country of registration: US

Application no.: WO 99/52307 Patent no.: US-6374112

Countries applicable:

AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, SE, US

ETSI Deliverable: Notes:

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Title: Accommodating packet data loss at base stations interfacing between a packet switched network and a

CDMA macrodiversity network

Country of registration: US

Application no.: WO 99/46946 Patent no.: US-6341124

Countries applicable: **ETSI Deliverable:**

AR, AU, CA, CN, DE, GB, IT, JP, KR, SE, TW, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Transmission power control of a mobile station

Country of registration: US

Application no.: WO 01/43296

Patent no.:

AR, DE, FI, FR, GB, IT, MY, SE, TW, US

Countries applicable:

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Method and apparatus for fast base station synchronization and sector identification

Country of registration:

WO 99/66754

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

BR, CN, DE, FI, FR, GB, HK, IT, JP, SE, US

Notes:

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Company name:

Ericsson Project: **UMTS** Title: Power control in a CDMA mobile communications system

Ericsson

UMTS

Country of registration: US

Application no.: Patent no.:

WO 00/49728

Countries applicable:

AR, AU, BR, CA, CN, DE, FR, GB, IN, IT, JP, KR, MY, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Improvements in downlink observed time difference measurements Title:

Country of registration: US

Application no.: WO 00/08886 Patent no.: US-6356763

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable:

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Title: Code randomisation in random access

Country of registration: US

Application no.: WO 00/14989

Patent no.: Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Quadriphase spreading codes in code division multiple access communications Title:

Country of registration: US

Application no.: WO 99/66645 Patent no.: US-6393047

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Patent no.:

Communication methods and apparatus based on orthogonal Hadamard-based sequences having

selected correlation properties

Country of registration:

Application no.:

WO 00/10277

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Communication system and method for setting up connections between terminals of a first and second

communication network

Country of registration:

Application no.: Patent no.:

WO 00/04736

Countries applicable:

AU, BR, CA, CN, DE, MX, TW, US

Notes:

ETSI Deliverable:

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under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Title:

Code-rate increased compressed mode DS-CDMA systems and methods

Country of registration:

US Application no.: WO 97/40593 Patent no.: US-5883899

Countries applicable:

AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, ID, IT, JP, KR, MX, MY, NL, PH, SG, TH, TW, US

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Title: Method for multiplexing of parallel information streams in a CDMA system

Country of registration:

Application no.: WO 98/18218 Patent no.: US-5831978

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Selecting a communications channel for a mobile station based on handover intensity

Country of registration: US

Application no.: WO 98/18281 Patent no.: US-5822696

Countries applicable:

ETSI Deliverable: Notes:

AU, BR, CA, CN, DE, FI, GB, JP, NL, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Title: Telephony services provided by an ATM network

Country of registration: SE Application no.: WO 98/28884 Patent no.: SE-511581

Countries applicable:

AU, BR, CA, CN, DE, FR, GB, JP, MX, NO, SE, TR, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 98/18280 US-6259724 Patent no.:

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Coding for higher-level modulation

Country of registration: US

Application no.: WO 98/23073 Patent no.: US-5812601

Countries applicable:

BR, CA, IN, MY, TH, TW, US

ETSI Deliverable: Notes:

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Title: Method and apparatus for controlling the use for discontinuous transmission in a cellular telephone

Country of registration:

Application no.: WO 98/28734 Patent no.: US-5737695

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CN, DE, GB, MX, US

Notes:

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Ericsson Company name: Project: **UMTS**

Title: Minicells with variable payload size

Country of registration: US

Application no.: WO 97/27691

Patent no.:

Countries applicable: AU, BR, CA, CN, DE, ES, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

US

Project: Title:

Mobile telecommunications network and method for implementing and identifying hierarchical overlapping

radio coverage areas

Country of registration:

Application no.: US 09/189330 US-6275706 Patent no.: US

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Title: Despreading method and arrangement in communication system

Country of registration: US

WO 98/33290 Application no.: Patent no.: US-6091761 Countries applicable:

ETSI Deliverable:

AU, BR, CA, CN, DE, ES, GB, JP, KR, MX, MY, SE, SG, TH, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: A variable sleep mode for mobile stations in a mobile communications network

Country of registration:

US

Application no.: Patent no.:

WO 00/22837

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Forward link transmission mode for CDMA cellular communications system

Country of registration:

Application no.: WO 98/29965 Patent no.: US-5953325

Countries applicable:

AU, BR, CA, CN, DE, FR, GB, IT, JP, KR, MX, MY, NL, PH, SG, TH, TW, US, VE

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Coordination paging and access restriction groups Title:

Country of registration: US

Application no.: WO 00/52948

Patent no.:

Countries applicable: AR, AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Method for providing a unique temporary identification of a mobile station Title:

Country of registration: US Application no.:

WO 98/32305 Patent no.: US-6208628

Countries applicable: **ETSI Deliverable:**

Notes:

AU, BR, CA, CN, DE, FI, FR, GB, ID, IT, MY, NO, TW, US, VE, ZA

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 98/49857 Patent no.: US-6163533

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, MX, PH, RU, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Communication system and method with orthogonal block encoding

Country of registration: US

Application no.: WO 99/05797 Patent no.: US-6215762

Countries applicable:

AU, CA, CN, DE, ES, FI, FR, GB, IN, IT, JP, KR, MX, MY, SG, TW, US, ZA

ETSI Deliverable: Notes:

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Title: Geographical restriction in cellular telecommunications network

Country of registration:

Application no.: WO 99/07167 Patent no.: US-6230017

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, GB, IT, JP, KR, MX, PH, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: System and method for mobile data services background of the present invention

Country of registration: US

Application no.: WO 99/40741 Patent no.: US-6208633

Countries applicable:

ETSI Deliverable: Notes:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

Synchronization of base stations in a cellular telecommunications system

Country of registration: GB

Application no.: WO 98/28863 Patent no.: GB-2320650 Countries applicable: **ETSI Deliverable:**

Notes:

BR, CA, GB, MX, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Linear predictive analysis-by synthesis encoding method and encoder

Country of registration:

Application no.:

Patent no.:

WO 00/16315

Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Processing of mobile originated calls in packet switched protocol based communication networks

Country of registration:

Application no.:

Patent no.:

WO 00/60887

US

Countries applicable:

ETSI Deliverable:

CA, DE, FI, FR, GB, IT, JP, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Basic architecture for packet switched protocol based GSM networks

Country of registration:

Application no.: WO 00/52944

Patent no.: Countries applicable:

CA, CN, DE, FI, FR, GB, IT, JP, SE, US

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Project: **UMTS** Title:

Method and apparatus for transferring information between mobile terminals and entities in a radio access

network US

Country of registration:

Application no.: WO 00/51374 Patent no.:

Countries applicable:

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US

ETSI Deliverable:

Company name:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Title: Method in a telecommunication system

Country of registration:

Application no.: WO 00/38351

Patent no.:

Countries applicable:

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US

ETSI Deliverable: Notes:

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Ericsson Company name: **UMTS**

Project: System and method for estimating interfrequency measurements used for radio network function Title:

Country of registration: US

WO 00/38455 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

AR, CA, CN, DE, FI, FR, GB, IT, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Ericsson** Project: **UMTS**

Adaptive location level Title:

Country of registration: US

Application no.: WO 00/38469 Patent no.: US-6223044

Countries applicable:

AR, AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Method and apparatus for efficient synchronization in spread spectrum communications

Country of registration:

Application no.: WO 00/54424

Patent no.: Countries applicable:

ETSI Deliverable:

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: System network and method for the transference of cell handover information

Country of registration: US

Application no.: WO 01/11878 US-6131030 Patent no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title: Method and system for alternating transmission of codec mode information

Country of registration:

Application no.: WO 00/16513 Patent no.:

US

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA

ETSI Deliverable:

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SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Method and apparatus for minimizing overhead in a communication system

Country of registration:

Application no.: WO 00/05911

Patent no.:

Countries applicable: ETSI Deliverable:

AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, MX, MY, PH, SE, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Method and system for improved traffic management in wireless telecommunication systems

Country of registration: US

Application no.: WO 00/19762 Patent no.: US-6253087 Countries applicable: AR, CA, CN, DE, US

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Adaptive power control in a radio communications system

Country of registration:

Application no.: WO 00/55976

Patent no.:

Countries applicable: AR, AU, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US

ETSI Deliverable: Notes:

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Ericsson Company name: Project: **UMTS**

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 00/21320

Patent no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Code allocation in CDMA Title:

Country of registration: US

Application no.: WO 00/24146 Patent no.: US-6163524 Countries applicable: CA, DE, GB, JP, US

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Control of power ratios for in-phase and quadrature channels in a communications system Title:

Country of registration:

Application no.: WO 00/13312 US-6337876 Patent no.:

Countries applicable: ETSI Deliverable:

AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, MY, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Paging channel configuration for efficient wake-up utilization

Country of registration: US

Application no.:

Patent no.:

WO 00/13451

Countries applicable:

ETSI Deliverable:

AU, CN, DE, FI, FR, GB, HK, IT, JP, KR, MY, SE, TH, US, VE

Notes:

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Title: Method and apparatus for ensuring reliable data communication

Country of registration:

Application no.: WO 00/33503

Patent no.: Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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Ericsson Company name: Project: **UMTS**

Title: Provisioning of GPS assistance data in a WCDMA network

Country of registration: US

Application no.: WO 00/34800

Patent no.:

Countries applicable: AR, AU, CA, CN, DE, GB, JP, KR, TW, US

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **UMTS**

Project: Title:

Segment performance monitoring

Country of registration:

US Application no.: WO 98/59522 Patent no.: US-6049530

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: UMTS

Title: Method and apparatus for reliable and efficient data communications

Country of registration:

Application no.:

Patent no.:

WO 00/49761

Countries applicable: ETSI Deliverable:

AR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Implicit resource allocation in a communications system

Country of registration: US

Application no.:

Patent no.:

WO 00/22866

Countries applicable:

ETSI Deliverable:

AR, CN, DE, GB, MY, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Control of compressed mode transmission in WCDMA

Country of registration:

Application no.: WO 01/41492

Patent no.: Countries applicable:

AR, DE, FI, FR, GB, IT, MY, SE, TW, US

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Synchronization techniques and systems for spread spectrum radiocommunication

Country of registration: US

Application no.: US 09/100951 Patent no.: US-6278699 Countries applicable: CN, GB, HK, JP, US

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **UMTS**

Project: Title:

Frame synchronization techniques and systems for spread spectrum radio communication

Country of registration:

Application no.:

Patent no.: Countries applicable:

US WO 99/66661

ETSI Deliverable:

AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, SE, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: UMTS

An adaptive criterion for speech coding Title:

Ericsson

Country of registration:

Application no.: WO 00/13174 US-6192335 Patent no.:

Countries applicable: ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Transmit power control in a radio communication system US

Country of registration:

Application no.: WO 98/56120 Patent no.: US-6259927

Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US, ZA

Notes:

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Title: Service parameter interworking method

Country of registration:

Application no.: WO 01/15460

Patent no.: Countries applicable:

AU, CN, DE, ES, FR, GB, IT, JP, US

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Mobile station synchronization within a spread spectrum communications system

Country of registration: US

Application no.: WO 99/00912 Patent no.: US-5991330

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US, ZA ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **UMTS**

US

Project: Title:

Automatic gain control for slotted mode operation

Country of registration:

WO 00/31867

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

CN, DE, FI, FR, GB, HK, IL, IN, IT, JP, SE, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Synchronization to a base station and code acquisition within a spread spectrum communications system

Country of registration:

US

Application no.:

WO 99/12273

Patent no.:

US-5930366

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Cell searching in a CDMA communications system

Country of registration:

US

Application no.:

WO 99/12295

Patent no.:

US-6185244

Countries applicable: **ETSI Deliverable:**

AR, AU, BR, CA, CN, DE, FR, GB, IN, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

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Title: Channelization code allocation for radio communication system

Country of registration:

Application no.: WO 99/03224 Patent no.: US-6108369

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, PH, RU, SG, TH, TW, US, ZA

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Low-delay rate detection for variable rate communication systems Title:

Country of registration: US

Application no.: WO 99/03225 US-6222875 Patent no.:

Countries applicable:

ETSI Deliverable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SG, TH, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Packet data communications scheduling in a spread spectrum communication system Title:

Country of registration: US Application no.: WO 99/13600 Patent no.: US-6236646

Countries applicable:

AR, AU, BR, CA, DE, FR, GB, IN, JP, MX, MY, TW, US, ZA

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: UMTS

Reconfiguring diversity legs during cn-ran interface streamlining Title:

Country of registration:

Application no.:

Patent no.:

WO 00/11899

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US, ZA

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Speech coding with improved background noise reproduction

Country of registration: US

Application no.: WO 00/16313 Patent no.: US-6275798

Notes:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA **ETSI Deliverable:**

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Title: System and method for adaptive thresholds for cell load sharing

Country of registration:

Application no.: US 09/108442 Patent no.: US-6266531 Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Next hop loopback method

Country of registration: US

Application no.: WO 98/59521 Patent no.: US-6154448

Countries applicable:

ETSI Deliverable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SE, SG, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson UMTS

Country of registration:

Transport of radio network-originated control information US

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

WO 01/72057 EPO, PCT, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson UMTS Server capability database

Country of registration:

Application no.:

WO 01/72065

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

EPO, PCT

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Mobile station radio link timing error detection and adjustment

Country of registration:

US Application no.:

Patent no.:

WO 01/50806

Countries applicable:

ETSI Deliverable:

AR, AU, CN, EPO, JP, KR, MY, TW, US

Notes:

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Title: Handover neighbour list

Country of registration:

Application no.: WO 01/78438 Patent no.:

Countries applicable:

ETSI Deliverable:

EPO, PCT, SE, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Quality measurements on different frequencies

Country of registration: US

Application no.: WO 02/21756

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

PCT, US

US

WO 01/60023

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

Using internet protocol (IP) in radio access network

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

AR, EPO, MY, PCT, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson UMTS

Title: Release of UE's using the page procedure

Country of registration:

Application no.:

Patent no.:

PCT/SE01/02445

Countries applicable:

ETSI Deliverable: Notes:

EPO, PCT, US

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Title:

Method and apparatus for releasing connections in an access network US

Country of registration: Application no.:

Patent no.:

WO 01/62030

Countries applicable:

ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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ETSI

Title: Hybrid ARQ for packet data transmission

Country of registration: US

Application no.: WO 02/23792 Patent no.:

Countries applicable: ETSI Deliverable:

EPO, PCT, TW, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Procedure for downloading of cell information to mobiles in idle mode

Country of registration:

Application no.: WO 01/76274

Patent no.:

Countries applicable: EPO, PCT, US

US

US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

A method and apparatus for efficient transmit diversity using complex space-time block codes

Country of registration: Application no.:

WO 01/56218 Patent no.:

Countries applicable: **ETSI Deliverable:**

EPO, PCT, US

Notes:

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Company name: **Ericsson**

Project: UMTS

Title: Aal2/ip interworking

Country of registration:

Application no.:

Patent no.:

WO 01/91399

Countries applicable:

AR, EPO, PCT, TW, US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Error correction of important fields in data packet communications in a digital mobile radio network

Country of registration:

US

Application no.:

WO 02/01784 Patent no.:

EPO, PCT, TW, US Countries applicable:

ETSI Deliverable: Notes:

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Title: A two stage data packet processing scheme

Country of registration:

Application no.: WO 02/17550

Patent no.: Countries applicable:

AR, EPO, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson UMTS

Title:

Plural signalling channels for communicating signalling information to a user equipment terminal in a radio communications system.

Country of registration: US

Application no.:

Patent no.:

WO 02/01769

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

Project: UMTS

Title: Call set-up in a mobile telecommunications system

Country of registration: Application no.:

WO 02/01903

Patent no.:

Countries applicable:

AR, EPO, GB, PCT, TW

ETSI Deliverable: Notes:

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Ericsson

Company name: Project: **UMTS**

Flexible ARQ for packet data transmission Title:

Country of registration: US

WO 02/09342 Application no.:

Patent no.:

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Ericsson** Project: **UMTS**

Title: Transport format combination indicator mapping for telecommunications

Country of registration:

US Application no.:

Patent no.:

WO 01/17283

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable:

Notes:

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Title: Downlink transmit power synchronization during diversity communication with a mobile station

Country of registration:

Application no.: WO 01/65724

Patent no.: Countries applicable:

ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Dynamic (shared) interworking function selection for mobile to mobile calls in various networks

Country of registration: US

Application no.: WO 01/58188

Patent no.: Countries applicable:

EPO, PCT, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title: Paging response in neighbour cell US

WO 01/26407

Country of registration:

Application no.:

Patent no.:

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Ericsson

Company name: Project: UMTS

Title: Frame based system information transmission method

Country of registration:

Application no.:

Patent no.:

WO 01/15344

Countries applicable:

ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Synchronization in diversity handover

Country of registration: US

Application no.:

Patent no.:

WO 01/59958

Countries applicable:

ETSI Deliverable:

AR, EPO, PCT, TW, US

Notes:

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Title: Transfer of overlapping routing area control information in a radio access network

Country of registration:

Application no.: WO 01/19116

Patent no.: Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Power control in a CDMA mobile communication system

Country of registration: US

Application no.: WO 01/20808

Patent no.:

Countries applicable: EPO, PCT, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

Flexible user rate handling for h.324m multi-media services in mobile access networks US

Country of registration: Application no.:

WO 01/20867 Patent no.:

Countries applicable: **ETSI Deliverable:**

EPO, PCT, US

Notes:

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Company name:

Ericsson Project: UMTS

Title: Inter frequency measurement reporting

Country of registration:

Application no.:

Patent no.:

WO 01/20942

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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Company name:

Ericsson UMTS

Project: Title:

Apparatus, method and system for short message service center storage control US

Country of registration:

Application no.: Patent no.:

WO 01/60088

Countries applicable: **ETSI Deliverable:**

EPO, PCT, US

Notes:

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Title: Method and devices to provide a defined quality of service in a packet switched communication network

Country of registration:

Application no.: WO 01/48979

Patent no.:

Countries applicable: ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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Ericsson

Company name: Project: **UMTS**

Title: Method and system for improving the performance of inter-system handovers

Country of registration: US

Application no.: WO 01/54443

Patent no.:

Countries applicable: AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Method for performing cell and URA updates in a radio access network

Country of registration:

Application no.:

Patent no.:

WO 01/31940

US

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: UMTS

Title: Bit error estimates from pilot signals

Ericsson

Country of registration:

Application no.:

Patent no.:

WO 01/41350

Countries applicable:

ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Mapping of control plain information to relocated user plan bearers

Country of registration: Application no.:

US

Patent no.:

WO 01/39534

Countries applicable:

ETSI Deliverable:

AR, EPO, GB, MY, PCT, TW, US

Notes:

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Title: Rate adaptation to improve coverage

Country of registration:

Application no.: WO 01/41332

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AR, EPO, MY, PCT, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Title: System and method for estimating interfrequency measurements used for radio network function

Country of registration: US

Application no.: WO 00/38457

Patent no.:

Countries applicable:

ETSI Deliverable:

AR, AU, CA, CN, EPO, JP, KR, MY, PCT, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title:

Reconfigurable search window size for efficient implementation

Country of registration:

Application no.:

Patent no.: Countries applicable: WO 01/89109 EPO, PCT, US

US

ETSI Deliverable:

Notes:

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ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Rehoming automation

Country of registration:

Application no.:

Patent no.:

WO 01/41493

Countries applicable:

ETSI Deliverable:

AR, EPO, MY, PCT, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Continuous cipher synchronization for cellular communication system

Country of registration: US

Application no.: WO 91/14315 Patent no.: US-5060266

Countries applicable: AR, AU, BR, CA, CL, CN, DE, DK, ES, FI, FR, GB, HK, IL, IN, IT, JP, KR, MX, MY, NL, PH, SG, TR, TW,

ETSI Deliverable:

Notes:

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Title: Method and apparatus for compressed mode communications over a radio interface

Country of registration:

Application no.: WO 01/24566

Patent no.: Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Decoding System for Distinguishing Different Types of Convutionally Encoded Signals Title:

Country of registration: SE Application no.: 652,544 Patent no.: US-5230003 Countries applicable: GB, SG, US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Efficient handling of connections in a mobile communications network Title:

Country of registration: US

Application no.:

Patent no.:

WO 00/62572

Countries applicable:

AR, AU, CA, CN, DE, FR, GB, JP, KR, MY, NL, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: UMTS

Title: Circuit emulating exchange using micro cells

Country of registration: US

Application no.: WO 95/34977 Patent no.: US-5805588

Countries applicable:

ETSI Deliverable: Notes:

AU, BE, BR, CA, CH, CN, DE, DK, ES, FI, FR, GB, GR, IL, IT, JP, KR, MX, MY, NL, NO, SE, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Prioritization between Handoff and New call Requests in a Cellular Communications System

Country of registration: SE Application no.: 804,604 Patent no.: US-5301356

Countries applicable:

ETSI Deliverable:

AT, AU, DE, DK, ES, FR, GB, HK, IT, MX, NL, SE, TW, US

Notes:

Company name: **Ericsson** Project: **UMTS**

CDMA Frequency Allocation Title:

Country of registration: SF Application no.: 868,038 Patent no.: US-5295153 Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Title: TDMA for Mobile Access in a CDMA System

Country of registration: SE
Application no.: 866,579
Patent no.: US-5295152
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson
Project: UMTS

Title: Method for Regulating Power in a Digital Mobile Telephony System

Country of registration: SE
Application no.: 712,930
Patent no.: US-5241690

Countries applicable:

ETSI Deliverable: Notes: AT, AU, BE, BR, CH, CN, DE, DK, ES, FR, GB, GR, HK, IT, KR, LU, MX, MY, NL, NZ, SE, SG, TW, US

Company name: Ericsson Project: UMTS

Title: Load Sharing control for a Mobile cellular radio system

Country of registration: SE
Application no.: 669,865
Patent no.: US-5241685

Countries applicable: DE, ES, FR, GB, IT, SE, US

ETSI Deliverable:

Notes:

Company name: Ericsson UMTS

Title: Method for the selection of transmission entities

Country of registration: US
Application no.: EP-1187505

Patent no.:

Countries applicable:

CA, DE, ES, FR, GB, SE, US

ETSI Deliverable:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Method and Apparatus for Enhancing Signalling Reliability in a Cellular Mobile Radio Telephone System

Country of registration: SE
Application no.: 604,522
Patent no.: US-5230082
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson
Project: UMTS

Project: UMTS
Title: CDMA Frequency Allocation

Country of registration: SE
Application no.: 162,948
Patent no.: US-5341397
Countries applicable: US

ETSI Deliverable:

Company name: **Project:**

Notes:

Ericsson UMTS

Title: CDMA Subtractive Demodulation

Country of registration: SE
Application no.: 739, 446
Patent no.: US-5218619

Countries applicable:

ETSI Deliverable: Notes:

AT, AU, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MX, MY, NL, SE, TW, US

Title: Method of Transmitting Signalling Messages in a Mobile Radio Communication System

Country of registration: Application no.: 899,166 Patent no.: US-5182753 Countries applicable: US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

CDMA Subtractive Demodulation Title:

Country of registration: SF Application no.: 628,359 Patent no.: US-5151919

Countries applicable:

ETSI Deliverable: Notes:

AT, AU, BE, DE, DK, ES, FR, GB, GR, IT, LU, MX, MY, NL, RU, SE, TW, US

Company name: **Ericsson** Project: **UMTS**

Title: Handover Method for Mobile Radio System

Country of registration: SE Application no.: 365,432 Patent no.: US-5109528

Countries applicable: DE, ES, FR, GB, HK, IT, NL, NO, SE, SG, US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Title: Cellular Digital Mobile Radio System and Method of Transmitting information in a Digital Cellular Mobile

Radio System

Country of registration: SE Application no.: 579,283 US-5088108 Patent no.: Countries applicable: US

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Title: Time-Reuse and Code-Reuse partitioning and Methods for Cellular Radiotelephone Systems

Country of registration:

PCT/US97/02857 Application no.: Patent no.: WO 97/32441 Countries applicable: TW

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Title: Mobile Assisted Handover Using CDMA

Country of registration:

PCT/US93/03412 Application no.: Patent no.: WO 93/21739 Countries applicable: AU, NZ, TW

ETSI Deliverable:

Notes:

Company name: **Ericsson** Project: **UMTS**

Title: Discontinuous CDMA Reception

Country of registration: SF Application no.: 866, 555 Patent no.: US-5239557 Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Title: Random Access in Mobile Radio Telephone Systems

Country of registration: SE
Application no.: 222,008
Patent no.: US-5430760
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson UMTS

Title: Regular pulse positioning algorithm

Country of registration: US
Application no.: WO 90/13891
Patent no.: US-5193140

Countries applicable: AU, BR, CA, CL, CN, DE, DK, ES, FI, FR, GB, HK, IL, IT, JP, KR, KW, MX, MY, NL, NZ, PH, PK, SE, SG,

TH, TR, TW, US, VE

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Company name: Ericsson UMTS

Title: Cellular digital mobile radio system with plural base station transmitters, and method of transmitting

information in such a system

Country of registration: EPO
Application no.: WO 89/08355
Patent no : EP.335846

Patent no.: EP-335846
Countries applicable: AU, DE, DK, E

ETSI Deliverable:

 $\mathsf{AU},\,\mathsf{DE},\,\mathsf{DK},\,\mathsf{ES},\,\mathsf{FI},\,\mathsf{FR},\,\mathsf{GB},\,\mathsf{IT},\,\mathsf{JP},\,\mathsf{NL},\,\mathsf{NZ},\,\mathsf{SE}$

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Low Capacity Mobile Assisted Handoff in a Cellular Communications Network

Country of registration: SE
Application no.: 103,135
Patent no.: US-5517674
Countries applicable: US

ETSI Deliverable:

Notes:

Company name: Ericsson UMTS

Title: System and Method for Joint Demodulation of CDMA Signals

Country of registration: SE
Application no.: 155,557
Patent no.: US-5506861
Countries applicable: AU, GB, TW, US

ETSI Deliverable:

Company name:

Notes:

Ericsson

Project: UMTS
Title: Best Server Selection in Layered Cellular Radio System

Country of registration: SE
Application no.: 090,734
Patent no.: US-5499386
Countries applicable: CO, PH, TW, US, ZA

ETSI Deliverable:

Notes:

Title: Method and System for Channel Allocation using Power Control and Mobile Assisted Handover

Measurements

Country of registration: SE
Application no.: 207,032
Patent no.: US-5491837
Countries applicable: SG, US

ETSI Deliverable: Notes:

Company name: Ericsson Project: UMTS

Title: Methods in a Cellular Mobile Radio Communications System

Country of registration: SE
Application no.: 035,797
Patent no.: US-5487174
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson Project: UMTS

Title: Diversity Radio Receiver Automatic Frequency Control

Country of registration: SE
Application no.: 774,215
Patent no.: US-5321850
Countries applicable: GB, MX, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson Project: UMTS

Title: Method and Apparatus for Mobile Radio Communications having Switched Dual Frequency Synthesizers

Country of registration: SE
Application no.: 159,956
Patent no.: US-5448762
Countries applicable: GB, US

ETSI Deliverable:

Notes:

Company name: Ericsson Project: UMTS

Title: Handover Method for Mobile Radio System

Country of registration:SEApplication no.:071,356Patent no.:US-5327577Countries applicable:US

ETSI Deliverable:

Notes:

Company name: Ericsson Project: UMTS

Title: Navigation Assistance For Call Handling in Mobile Telephone Systems

Country of registration: SE
Application no.: 118,179
Patent no.: US-5404376
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson
Project: UMTS

Title: Method of Effecting Handover in a Mobile Multilayer cellular Radio System

Country of registration: SE
Application no.: 901,075
Patent no.: US-5392453

Countries applicable: ETSI Deliverable:

Notes:

AU, DE, FR, GB, IT, MY, NL, SE, TW, US

Title: Calling Channel in CDMA Communications System

Country of registration: SE
Application no.: 226,470
Patent no.: US-5377183
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Company name: Ericsson
Project: UMTS

Title: Fast Walsh Transform Processor

Country of registration: SE
Application no.: 735,805
Patent no.: US-5357454
Countries applicable: FR, GB, SG, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson Project: UMTS

Title: Multiple Access Coding for Radio Communications

Country of registration: SE
Application no.: 866,865
Patent no.: US-5353352
Countries applicable: AU, MX, NZ, TW, US

ETSI Deliverable:

Notes:

Company name: Ericsson
Project: UMTS

Title: Adaptively Self-Correcting Modulation System and Method

Country of registration: SE 068,087
Patent no.: US-5351016
Countries applicable: AU, GB, IT, MX, NZ, US

ETSI Deliverable:

Company name:

Notes:

Ericsson

Project: UMTS
Title: Duplex Power Control System in a Communications Network

Country of registration: SE
Application no.: SE
Application no.: 866,554
Patent no.: US-5345598
Countries applicable: AU, NZ, TW, US

ETSI Deliverable:

Notes:

AU, NZ, TW, US

Company name: Ericsson UMTS

Title: Temporary service interruption for high speed data transfer

Country of registration: US

Application no.: WO 02/37887
Patent no.:
Countries applicable: EPO, PCT, US

ETSI Deliverable:
Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: W-CDMA, TD-CDMA

Country of registration:
Application no.:
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: Ericsson has declared that it has patent(s) and/or pending patent application(s) relating to the W-CDMA proposal and the TD-CDMA proposal Ericsson is fully prepared to grant licenses to these patents on fair,

reasonable and non-discriminatory basis in accordance with the terms and conditions set forth in

clause 6.1 of the ETSI IPR Policy.

Title: Non-continuous transmission for seamless handover in DS-CDMA systems

Country of registration:

Application no.: WO 94/29981 Patent no.: US-5533014

Countries applicable:

ETSI Deliverable: Notes:

AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, ID, IT, JP, KR, MX, MY, NL, PH, SE, SG, TH, TW, US

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Company name: **Ericsson** Project: **UMTS**

Title: Telecommunication network structure

Country of registration: US

Application no.: WO 92/12603 Patent no.: US-5333178

Countries applicable:

AU, BE, BR, CA, CH, DE, DK, ES, FI, FR, GB, GR, IL, IT, JP, KR, MX, NL, NO, US ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Priority methods and devices for handling buffers in packet networks Title:

Country of registration:

US Application no.: WO 93/19551 Patent no.: US-5555264 Countries applicable: AU, JP, SE, US

ETSI Deliverable: Notes:

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Ericsson

Company name: Project: UMTS

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: Application no.: WO 93/21741 EP-598863 Patent no.:

Countries applicable:

ETSI Deliverable:

AU, BE, CH, DE, DK, ES, FI, FR, GB, GR, HK, IT, NL, NZ, SE, TW

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Multi-code compressed mode DS-CDMA systems and methods

Country of registration: US

Application no.: WO 97/40592 Patent no.: US-5896368

Countries applicable:

ETSI Deliverable: Notes:

AU, BR, CA, CN, HK, ID, JP, KR, MX, MY, PH, SG, TH, TW, US

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Title: Remote control supplementary service

Country of registration:

Application no.: WO 95/21509 US-5781858 Patent no.: Countries applicable: JP, SE, US ETSI Deliverable:

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Unstructured supplementary service data from a home location register to an external node

Country of registration: US

Application no.: WO 96/20572 Patent no.: US-5752188 AU, CA, CN, FI, JP, KR, MX, RU, SG, US

Countries applicable:

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Method and arrangement in a radio communication system Title:

Country of registration: US Application no.: WO 96/31077 Patent no.: US-6097717

Countries applicable:

AU, BE, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, NL, NO, RU, SE, SG, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Method and device for telecommunication

Country of registration: US

Application no.: WO 96/34478 US-5978375 Patent no.:

Countries applicable: ETSI Deliverable:

AU, CA, CN, DE, ES, FI, FR, GB, IL, IT, JP, NO, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Means in conjunction with updating one or more hlr databases included in a mobile telephone system

Country of registration: US

Application no.: WO 93/25051 Patent no.: US-5490201 Countries applicable:

ETSI Deliverable:

AU, BR, CA, CN, DE, DK, ES, FI, FR, GB, HK, IL, IT, JP, KR, MX, NL, NZ, SE, SG, TH, TW, US

Notes:

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Title: Communication control technique for a radiotelephone system

Country of registration:

Application no.: WO 94/07322 Patent no.: US-5353332

Countries applicable:

AR, AU, CA, CN, GB, HK, ID, KR, MX, MY, NZ, SE, SG, TH, TW, US, VE ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Method for signalling in a telecommunication system

Country of registration: US

Application no.: US 08/193845 Patent no.: US-5724664

Countries applicable:

AU, CN, DE, DK, ES, FI, FR, GB, GR, HK, IT, MX, NL, SE, SG, TW, US ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson

US

Project: **UMTS** Title:

Resynchronization of encryption systems upon hand-off

Country of registration:

Application no.: WO 92/02088 Patent no.: US-5081679

Countries applicable:

ETSI Deliverable: Notes:

AU, CA, CN, GB, HK, JP, KR, MX, MY, TW, US

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Time alignment of transmission in a down-link of a CDMA system

Country of registration:

Application no.: WO 94/30024 US-5828659 Patent no.:

Countries applicable: ETSI Deliverable:

AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, IT, JP, KR, MX, NL, SE, SG, TH, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

System and method for allocating channel elements in a code division multiple access radio

telecommunications network

Country of registration:

US Application no.: WO 98/48529 Patent no.: US-5933777 CA, DE, GB, JP, US

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: Restricted mobility area

Country of registration:

Application no.: WO 98/37722 Patent no.: US-6212390 Countries applicable: CA, JP, SE, TW, US

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: High resolution post processing method for a speech decoder

Country of registration: US

Application no.: WO 98/39768 Patent no.: US-6138093 BR, CA, CN, DE, ES, GB, IT, JP, KR, MX, RU, US

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title: US

System and method for secondary traffic charging in a radio telecommunications network

Country of registration: Application no.: Patent no.:

WO 98/48565 US-6061556 CA, DE, GB, JP, US Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

Title: Subscriber station, network control means and method for carrying out inter-frequency measurements in a

mobile communication system US

Country of registration:

Application no.: WO 01/17307

Patent no.:

Countries applicable:

AR, EPO, MY, PCT, TW, US

ETSI Deliverable:

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

System and method for dynamically increasing the capacity of a code division multiple access radio Title:

telecommunications network

Country of registration: US

Application no.: WO 98/48530 Patent no.: US-6078817 CA, DE, GB, JP, US Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Title: A method and an electronic apparatus for positioning a cursor on a display

Country of registration: US

Application no.: WO 02/21253
Patent no.:
Countries applicable: PCT, SE, US

ETSI Deliverable:

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Company name: Ericsson
Project: UMTS

Title: Methods and arrangements in a radio communications system

Country of registration: SE

Application no.: WO 98/57450 Patent no.: SE-509836

Countries applicable:

ETSI Deliverable: Notes:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Bandwidth Allocation

Country of registration: SE
Application no.: 544,490
Patent no.: US-5729531
Countries applicable: US

Countries applicable: ETSI Deliverable:

Notes:

Company name: Ericsson
Project: UMTS

Title: Mobile Assisted Handoff

Country of registration: SE
Application no.: 354,779
Patent no.: US-5701585
Countries applicable: US

ETSI Deliverable:

Notes:

Company name: Ericsson UMTS

Title: Method and Apparatus for Spread Spectrum Channel Estimation

Country of registration: SE
Application no.: 504,339
Patent no.: US-5677930
Countries applicable: US

ETSI Deliverable:

Notes:

Company name: Ericsson UMTS

Title: Navigation Assistance for Call Handling in Mobile Telephone Systems

Country of registration: SE
Application no.: 384,334
Patent no.: US-5670964
Countries applicable: US

ETSI Deliverable:

Notes:

Title: Air-interface efficiency in wireless communication system

Country of registration:

Application no.: WO 02/37888 Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

EPO, PCT, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Title: Authentication key entry in cellular radio system

Country of registration: US

Application no.: WO 94/19875 Patent no.: US-5551073

Countries applicable:

ETSI Deliverable:

Notes:

AU, CA, CN, KR, MX, SE, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson UMTS

US

Title:

Adaptive handoff algorithm for a multimedia CDMA system

Country of registration:

Application no.:

WO 00/54540

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

AR, AU, CN, EPO, IN, JP, KR, MY, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Ericsson UMTS

Country of registration:

Method for minimizing feedback responses in ARQ protocols

Application no.:

Patent no.:

WO 00/62466

Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Method and apparatus for broadcasting system information in a cellular communications network

Country of registration:

US

Application no.:

WO 00/72609

Patent no.: Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

Notes:

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Title: IP address allocation for mobile terminals

Country of registration:

Application no.: WO 00/60824

Patent no.: Countries applicable:

AR, CA, CN, EPO, GB, IN, JP, KR, MY, TW, US, ZA

ETSI Deliverable: Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Controlled antenna diversity

Country of registration: US

WO 01/05088A1 Application no.:

Patent no.:

Countries applicable: CN, EPO, HK, IN, JP, MY, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

US

Project: Title:

Gateway location registers in a UMTS system

Country of registration: Application no.:

WO 00/62561

Patent no.:

Countries applicable:

BR, CN, DE, EPO, FR, GB, JP, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Method and apparatus for secure communication background

Country of registration:

Application no.:

Patent no.:

WO 00/74345

Countries applicable:

ETSI Deliverable:

CN, EPO, JP, US

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Project: Title:

Transparent communication interception In a core transport network

Country of registration:

US

Application no.: Patent no.:

WO 01/47222

Countries applicable:

ETSI Deliverable:

EPO, PCT, US

Notes:

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Title: System and method for transmitting comfort noise across a mobile communications network

Country of registration:

Application no.: WO 01/45870 Patent no.: Countries applicable: EPO, PCT, US

ETSI Deliverable:

Company name:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson

Project: **UMTS**

Title: Cell breathing reduction

Country of registration: US

Application no.: WO 01/17300

Patent no.:

Countries applicable: AR, EPO, PCT, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson Project: **UMTS**

Title: Power control in a CDMA mobile communication system

US

Country of registration:

Application no.: WO 00/65748

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AR, AU, CA, CN, EPO, GB, IT, JP, KR, MY, TW, US

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SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: UMTS

Communications system and method for matching and balancing the bit rates of transport channels to the Title:

bit rate of a physical channel US

Country of registration:

Application no.: WO 00/62465

Patent no.:

Countries applicable:

ETSI Deliverable:

AR, AU, BR, CA, CN, EPO, ID, IN, JP, KR, MY, TW, US, ZA

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson UMTS

Ericsson

Project: Title:

Method and Apparatus for Concatenated Coding of Mobile Radio Signals

Country of registration: Application no.: Patent no.:

SE 678,314 US-5742619

Countries applicable:

ETSI Deliverable:

Notes:

US

Title: Facsimile services in mobile networks

Country of registration:

Application no.: WO 00/76123 Patent no.: Countries applicable:

ETSI Deliverable:

EPO, NO, PCT, US

Notes:

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Company name: **Ericsson** Project: **UMTS**

Title: Scrambling code coordination between rnc nodes

Country of registration: US

Application no.: WO 00/70805

Patent no.:

Notes:

Ericsson

Countries applicable:

ETSI Deliverable:

AR, SE, TW, US

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

UMTS

Short packet circuit emulation Title:

Country of registration: US

Application no.: WO 98/51114 Patent no.: US-6195353

Countries applicable:

ETSI Deliverable:

Notes:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, PH, RU, SG, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: UMTS

TDMA/FDMA/CDMA Hybrid Radio Access Methods Title:

Country of registration: SE Application no.: 179.954 US-5539730 Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE, US, ZA

Company name: **Ericsson** Project: **UMTS**

UMTS circuit switched data user plane Title:

Country of registration: US

Application no.: WO 00/76138

Patent no.:

Countries applicable:

AU, BR, CN, EPO, IN, JP, KR, NO, US, ZA

ETSI Deliverable: Notes:

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Title: Random access in a mobile telecommunications system

Country of registration:

Application no.: WO 00/62436

Patent no.: Countries applicable:

AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

ETSI Deliverable: Notes:

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Ericsson Company name: Project: **UMTS**

Handling errors occurring in base -station of a CDMA system Title:

Country of registration: US

Application no.: WO 01/60095

Patent no.:

Countries applicable: AR, EPO, SE, TW, US

ETSI Deliverable: Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Ericsson** Project: **UMTS**

Technique for providing a secure link in a mobile communication system Title:

Country of registration: US Application no.: WO 01/05121 Patent no.: US-6301479

Countries applicable:

AR, CN, EPO, JP, KR, MY, TW, US **ETSI Deliverable:**

Notes:

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: UMTS

PROCEDE POUR L'ETABLISSEMENT D'UNE LISTE DE CELLULES VOISINES DANS UN SYSTEME Title:

DE RADIOCOMMUNICATIONS MOBILES

Country of registration: PCT

Application no.: 1246499; PCT/FR02/00997

Patent no.: Countries applicable:

ETSI Deliverable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.:

Patent no.:

02105110.0

Countries applicable: CN **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

EVOLIUM S.A.S. Company name:

Project: UMTS

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

EPO Country of registration: Application no.: 1235458

Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: FPO Application no.: 1235459

Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

US Country of registration:

Application no.: 10/073950 Patent no.: Countries applicable: US **ETSI Deliverable:**

TS 25.433 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 10-2002-8973

Patent no.:

Countries applicable: KR

TS 25.433 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.: 02105111.9

Patent no.: Countries applicable: CN **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

JΡ Country of registration:

Application no.: 2002-33442

Patent no.:

JΡ

Countries applicable:

TS 25.433 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

EVOLIUM S.A.S. Company name:

Project: UMTS

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: US

Application no.: 10/074000 Patent no.: Countries applicable: US **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

UMTS Project:

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: FR Application no.: 2821515

Patent no.:

Countries applicable: FR ETSI Deliverable: TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 10-2002-8970

Patent no.: Countries applicable: KR **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

JP Country of registration:

Application no.: 2002-33441

Patent no.:

JΡ Countries applicable:

TS 25.433 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE POUR L'ETABLISSEMENT D'UNE LISTE DE CELLULES VOISINES DANS UN SYSTEME Title:

DE RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.: 2823053

Patent no.: Countries applicable:

FR

ETSI Deliverable:

FR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

Project: **UMTS**

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: PCT

Application no.: 1223783; W0 02/056629

Patent no.:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

Countries applicable: **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

France Telecom

UMTS

Project:

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

France Télécom has declared that it is prepared to grant irrevocable licenses under its IPRs that may be considered Essential (the IPRs) to the Standards UMTS (the Standards), granted or pending, relatively to the different technologies of the Standards as UTRA, access network, core network, SIM, etc., on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim Policy, in respect of the Standards, to the extent that the IPRs remain Essential. The above undertaking may be made subject to the condition that whose seek licenses agree to reciprocate in licenses incorporating have made rights.

Company name:

Project: Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Fujitsu Limited UMTS W-CDMA

Fujitsu Limited has declared that it has patent(s) and/or pending patent application(s) relating to WCDMA proposal. Fujitsu Limited is fully prepared to grant licenses to these patents on a fair, reasonable and nondiscriminatory basis, in accordance with the terms and conditions set forth in clause 6.1 of the ETSI IPR

Policy.

Company name:

Golden Bridge Technology (GBT)

Project: **UMTS**

Title:

UTRA RTT Proposal

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

GBT has notified ETSI that it is the proprietor of IPRs considered essential to the ETSI UTRA RTT Proposal to the ITU. GBT declared that, in respect to UTRA RTT, it is prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, to the extent that the IPRs remain essential.

Company name:

Project: Title:

Hitachi Ltd. **UMTS**

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Hitachi, Ltd. Is ready to license its own Intellectual Property Right(s), which is deemed to be necessary to implement the standard IMT 2000 (or UMTS, W-CDMA) relating to the third generation public mobile telephone systems, on fair, reasonable, non-exclusive and non-discrimenatory terms and conditions to a

party, who accepts an equivalent undertaking with regard to this standard.

Company name:

Hughes Network Systems

Project: Title:

Method for a General Turbo Code Trellis Termination

Country of registration: Application no.:

Patent no.:

US 6,332,209

Countries applicable:

US

ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending.'

Company name: Hughes Network Systems

Project: UMTS

Title: Method and Apparatus for Encoding Data for Transmission in a Communication System

Country of registration:

Application no.:

Patent no.: US 6,396,822

Countries applicable: US

ETSI Deliverable: 3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending.'

Company name:

Hughes Network Systems

Project:

UMTS

Title: Se

Sets of Rate-Compatible Universal Turbo Codes Nearly Optimized Over Various Rates and Interleaver

Sizes US

Country of registration:

Application no.: Patent no.:

US 6,370,669

Countries applicable:

US

ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending.'

Company name:

Title:

Hughes Network Systems

Project: UMTS

Turbo Code Interleaver With Near Optimal Performance

Country of registration:

Application no.: Patent no.:

US 6,334,197

Countries applicable:

US 6,334,197

ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending."

Company name:

Hughes Network Systems

Project:

UMTS

Title:

Method for Transmitting Wideband Signals Via a Communication System Adapted for Narrow-Band

Signal Transmission

Country of registration:

Application no.:

05

Patent no.:

US 6,539,050 US

Countries applicable: ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending."

Company name: **Hughes Network Systems**

Project:

Title: Method for a General Turbo Code Trellis Termination

Country of registration:

Application no.:

Patent no.: 333,469 Countries applicable: KR

ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending."

Company name:

Hughes Network Systems

Project:

UMTS

Title:

Sets of Rate-Compatible Universal Turbo Codes Nearly Optimized Over Various Rates and Interleaver

Sizes KR

Country of registration:

Application no.: Patent no.:

347,501

Countries applicable:

KR

ETSI Deliverable: 3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending.'

Company name:

Hughes Network Systems

Project: UMTS Title:

Forward Error Correction Scheme for Data Channels Using Universal Turbo Codes

Country of registration:

Application no.: Patent no.:

US 6,430,722

Countries applicable:

US

ETSI Deliverable:

3GPP: TS 25.211; TS 25.212; TS 25.213; TS 25.214. ETSI: TS 125 211; TS 125 212; TS 125 213; TS

125 214

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. "Additional patent applications remain pending in the U.S. and abroad which, when issued, are expected to comprise Essential IPR. Hughes Network Systems will specifically identify to ETSI each such IPR after it is issued

by the respective Patent Office in which it is pending.'

Company name: Project:

Intel Corp. **UMTS**

Title:

Country of registration:

US

Application no.:

6,034,986

Patent no.: Countries applicable:

US

ETSI Deliverable:

3GPP TR 25.991; ETSI TR 125 991

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Italtel Spa UMTS TD-CDMA

Title: Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

Company name: **KPN** Project: UMTS

Title: Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

NO Country of registration: Application no.: 904173 176.859 Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **UMTS**

Title: Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: US Application no.: 07/900,521 Patent no.: 5,291,544

Countries applicable:

ETSI Deliverable: 3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **UMTS**

Title: Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: CA Application no.: 2026596 Patent no.: 2026596 Countries applicable:

ETSI Deliverable: 3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0; ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: **UMTS** Project:

Method for transferring, between two switching exchanges for mobile services, the handling of an active Title:

connection with a mobile terminal

Country of registration: **EPO** Application no.: 90202591.5 Patent no.: 0421535

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IT, LU, NL, SE

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS **ETSI Deliverable:**

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: Project: **UMTS**

Title: Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration: Application no.: 904869 Patent no.: 98596

Countries applicable:

ETSI Deliverable:

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS

23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

KPN

Project:

UMTS

Title:

Method for transferring, between two switching exchanges for mobile services, the handling of an active

connection with a mobile terminal

Country of registration:

Application no.: Patent no.:

263977/1990 2535251

Countries applicable: **ETSI Deliverable:**

3GPP: TS 23.002 V3.6.0; TS 23.002 V4.5.0; TS 23.002 V5.8.0; TS 23.060 V3.13.0; TS 23.060 V4.6.0; TS 23.060 V5.3.0. ETSI: TS 123 002 V3.6.0; TS 123 002 V4.5.0; TS 123 002 V5.8.0; TS 123 060 V3.10.0;

TS 123 060 V4.6.0; TS 123 060 V5.3.0.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Lucent Technologies Inc. **UMTS**

Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Lucent Technologies Inc. has informed ETSI that it is likely to have IPRs essential to UMTS and that it is prepared to make a license relating to the ETSI UMTS Terrestrial Radio Access Interface standard available to any qualified applicant, upon reasonable, non-discriminatory terms and conditions.

Representative: Mr. P. J. Crefeld (tel: +1 908 903 6262 / fax: +1 908 903 6319) for licensing matters.

Company name:

Mitsubishi Electric Corporation

Project:

UMTS

JP

Title:

Mobile radio communication system, communication apparatus for mobile communication system, and

method for mobile radio communication system

Country of registration:

Application no.:

Patent no.:

JP10-114003

Countries applicable: **ETSI Deliverable:**

Notes:

Mitsubishi Electric has stated that, in accordance with the ETSI Interim IPR Policy, article 4.1 with reference to the technical proposal identified as (1) Tdoc SMG2 UMTS-L1 13/98 (Enhanced Slotted DL transmisssion mode), Tdoc SMG2 UMTS-L1 14/98 (Short code reuse on slotted DL transmisssion mode), Tdoc SMG2 UMTS-L1 65/98 ("split" slotted transmission for UTRA FDD: Additional results), Tdoc SMG2 UMTS-L1 68/98 (Rationales for Reuse of short codes in downlink of UTRA FDD), Tdocs SMG2 UMTS-L1 249/98 (Downlink slotted transmission for UTRA FDD: Additional results (2)), Tdocs SMG2 UMTS-L1 66/98 (UTRA FDD downlink slotted transmission and GSM FCCH/SCH detection), is pepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR policy, in respect of the Standard, to the extent that the IPRs remain essential.

Company name:

Mitsubishi Electric Corporation

Project:

UMTS

Title:

JΡ

Country of registration: Application no.:

Patent no.:

JP10-080031

Countries applicable:

ETSI Deliverable:

JΡ

Notes:

Mitsubishi Electric has stated that, in accordance with the ETSI Interim IPR Policy, article 4.1 with reference to the technical proposal identified as (1) Tdoc SMG2 UMTS-L1 13/98 (Enhanced Slotted DL transmisssion mode), Tdoc SMG2 UMTS-L1 14/98 (Short code reuse on slotted DL transmisssion mode), Tdoc SMG2 UMTS-L1 65/98 ("split" slotted transmission for UTRA FDD: Additional results), Tdoc SMG2 UMTS-L1 68/98 (Rationales for Reuse of short codes in downlink of UTRA FDD), Tdocs SMG2 UMTS-L1 249/98 (Downlink slotted transmission for UTRA FDD: Additional results (2)), Tdocs SMG2 UMTS-L1 66/98 (UTRA FDD downlink slotted transmission and GSM FCCH/SCH detection), is pepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI Interim IPR policy, in respect of the Standard, to the extent that the IPRs remain essential.

Company name:

Mitsubishi Electric Corporation

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Variable Rate Transmitter

Application no.:

JP JP9-16402

Patent no.:

Countries applicable:

JΡ

ETSI Deliverable:

tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97

Notes:

Mitsubishi Electric declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) under the essential IPRs on fair, reasonable and non-discriminatory basis in accordance with clause 6.1

of the ETSI IPR Policy.

Company name: Mitsubishi Electric Corporation

Project:

Title: Method and Apparatus for Variable Rate Transmitter

Country of registration: PCT

PCT/JP97/03224 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97

Mitsubishi Electric declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) Notes:

under the essential IPRs on fair, reasonable and non-discriminatory basis in accordance with clause 6.1

of the ETSI IPR Policy.

Company name: Mitsubishi Electric Corporation

Project:

Title: A method and apparatus for assigning codes

Country of registration:

Application no.: Patent no.:

EP 02018088.1; US 10/013,451

Countries applicable: DE, EPO, FR, GB, US

ETSI Deliverable: 3GPP TS 25.201; ETSI TS 125 201; 3GPP TS 25.214; ETSI TS 125 214; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.401; ETSI TS 125 401; 3GPP TS 25.443; ETSI TS 125 443
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: **UMTS**

Title: A method for speech coding, method for speech decoding and their apparatuses

Country of registration: JΡ

Application no.: EP 98957197.1; US 09/530,719; CA 2315699; CN 98812682.6; IL 136722; IN 00082/CHE/00; KR 10-

2000-7007047; NO 20003321

Patent no.: JP 3346765

Countries applicable: CA, CN, DE, EPO, FI, FR, GB, IL, IN, IT, JP, KR, NO, SE, US

3GPP TS 26.090; ETSI TS 126 090; 3GPP TS 26.190; ETSI TS 126 190 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Corporation Company name:

Project: UMTS

Title:

Wideband voice reconstructing apparatus and wideband voice reconstructing method and voice

transmitting system and voice transmitting method

Country of registration:

Application no.: Patent no.:

.IP

JP 6-265277

Countries applicable:

ETSI Deliverable: 3GPP TS 26.173; ETSI TS 126 173; 3GPP TS 26.190; ETSI TS 126 190

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: UMTS

Title: Voice activity detecting apparatus and voice activity detecting method

Country of registration: JP

Application no.: JP 2000-188987

Patent no.:

Countries applicable: JΡ

ETSI Deliverable:

3GPP TS 26.094; ETSI TS 126 094

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: **UMTS**

Title:

Method and apparatus for controlling transmission power in a cellular mobile communication system

Country of registration: Application no.:

JP 3374139

Patent no.: Countries applicable:

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Mitsubishi Electric Corporation

Project:

Title: Mobile radio communication system, communication apparatus for mobile radio communication system,

and mobile radio communication method

Country of registration:

Application no.: EP 99907865.2; JP 11-550264; CN 99807861.1; CA 2329204; IN 2000/00558/CHE

Patent no.:

Countries applicable: CA, CN, DE, EPO, ES, FI, FR, GB, IN, IT, JP, KR, NO, PT, SE

ETSI Deliverable: 3GPP TS 25.101; ETSI TS 125 101; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.212; ETSI TS 125

212; 3GPP TS 25.215; ETSI TS 125 215

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Corporation Company name:

JΡ

Project:

Title: Voice decoding apparatus, and voice encoding/decoding apparatus

Country of registration:

Application no.:

JP 2659605

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 26.090; ETSI TS 126 090; 3GPP TS 26.073; ETSI TS 126 073; 3GPP TS 26.190; ETSI TS 126

190; 3GPP TS 26.173; ETSI TS 126 173

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: **UMTS**

Title:

Spread spectrum communication device and spread spectrum communication method .IP

Country of registration:

EP 01128185.4; US 10/024,218; CA 2325421; CN 99806583.8; KR 10-2000-7010671; IN Application no.:

2000/00424/CHE JP 3293819

Patent no.: Countries applicable:

CA, CN, DE, EPO, ES, FI, FR, GB, IN, IT, JP, KR, PT, SE, US **ETSI Deliverable:**

3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: **UMTS**

Spread spectrum communication device and spread spectrum communication method Title:

Country of registration: JP

Application no.:

EP 01128184.7; US 10/024,217; CA 2325421; CN 99806583.8; KR 10-2000-7010671; IN

JP 3320711 Patent no.:

Countries applicable: CA, CN, DE, EPO, ES, FI, FR, GB, IN, IT, JP, KR, PT, SE, US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.101; ETSI TS 125 101

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project: **UMTS**

Title:

Spread spectrum communication device and spread spectrum communication method

Country of registration:

Application no.:

EP 01128186.2; US 10/023,945

Countries applicable:

DE, EPO, ES, FI, FR, GB, IT, PT, SE, US 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.101; ETSI TS 125 101

ETSI Deliverable: Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

UMTS Project:

Title: Mobile radio communication system, communication apparatus for mobile radio communication system,

and mobile radio communication method

Country of registration: US

EP 99907865.2; JP 11-550264; CN 99807861.1; CA 2329204; IN 2000/00558/CHE Application no.:

Patent no.: US 6469995

Countries applicable: CA, CN, DE, EPO, ES, FI, FR, GB, IN, IT, JP, NO, PT, SE, US

3GPP TS 25.101; ETSI TS 125 101; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.212; ETSI TS 125 ETSI Deliverable:

212; 3GPP TS 25.215; ETSI TS 125 215

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

JΡ

Project:

Title: Voice activity detecting apparatus and voice activity detecting method

Country of registration:

Application no.:

Patent no.: JP 3328642

Countries applicable:

JΡ

ETSI Deliverable: 3GPP TS 26.094; ETSI TS 126 094; 3GPP TS 26.194; ETSI TS 126 194

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Corporation

Project:

Title: Voice encoding apparatus JΡ

Country of registration:

Application no.: Patent no.: JP 2905155

Countries applicable: JP

ETSI Deliverable: 3GPP TS 26.090; ETSI TS 126 090; 3GPP TS 26.073; ETSI TS 126 073; 3GPP TS 26.190; ETSI TS 126

190; 3GPP TS 26.173; ETSI TS 126 173

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Information Technology Centre Europe B.V.

Project:

Title: Synchronisation method for base stations

Country of registration:

Application no.: EP 01402553.0; FR 0012765; US 09/962,271; JP 2001-289936; CN 01135354.6

Patent no.:

Countries applicable: **ETSI Deliverable:**

CN, EPO, FR, JP, US

3GPP TS 25.223; ETSI TS 125 223

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Information Technology Centre Europe B.V.

Project:

Title:

Sequence for channel estimation and method for estimating a transmission channel which use such a

sequence for channel estimation

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

CN, EPO, FR, JP, US 3GPP TS 25.223; ETSI TS 125 223

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

EP 01402542.3; FR 0012761; JP 2001-297549; CN 01141064.7; US 09/960,938

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Information Technology Centre Europe B.V.

Project: **UMTS**

Title: Method for allocating secondary synchronization codes to a base station of a mobile telecommunication

Country of registration:

Application no.: Patent no.:

EP 00401283.7; US 10/030,421; JP 2001-583082; CN 01801958.7; KR 10-2002-7000307

Countries applicable:

CN, EPO, JP, KR, US

ETSI Deliverable:

3GPP TS 25.221; ETSI TS 125 221; 3GPP TS 25.223; ETSI TS 125 223

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Information Technology Centre Europe B.V.

Project: **UMTS**

Title:

Method for transmitting an information representative of the number of spreading codes allocated to the

mobile stations in communication with a base station

Country of registration:

Application no.:

EP 00400931.2; US 09/926,702; JP 2001-573669; CN 01801584.0; IN 2002/00007/CHE; KR 10-2001-

7015608; ID WO0200102662

Patent no.:

Countries applicable: **ETSI Deliverable:**

CN, EPO, ID, IN, JP, KR, US

3GPP TS 25.221; ETSI TS 125 221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Information Technology Centre Europe B.V.

Project:

Title: Method for transmitting a word representative of transmission parameters respectively allocated to the

mobile stations in communication with a base station

Country of registration:

Application no.:

EP 00400767.0; US 09/926,574; JP 2001-568643; CN 01800575.6; IN 2001/01761/CHE; KR 10-2001-

7013932; ID WO00200102531

Patent no.: Countries applicable: **ETSI Deliverable:**

CN, EPO, ID, IN, JP, KR, US 3GPP TS 25.221; ETSI TS 125 221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Information Technology Centre Europe B.V. Company name:

Project: **UMTS**

Title: Synchronisation signal for base stations

Country of registration:

Application no.: Patent no.:

EP 02077753.8; US 10/192,639

Countries applicable:

ETSI Deliverable:

EPO, US 3GPP TS 25.223; ETSI TS 125 223 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Telecom Europe

Project: **UMTS**

Title: Method for balancing the ratio Eb/l in a service multiplexing CDMA system and telecommunication

> systems using same US

Country of registration:

Application no.: US 553064 US 6,501,748 Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Telecom Europe

UMTS Project:

Title:

Method for balancing the ratio Eb/l in a service multiplexing CDMA system and telecommunication

systems using same FPO

Country of registration: Application no.:

Patent no.:

EP00401119.3

Countries applicable:

ETSI Deliverable:

CN, DE, FR, GB, JP, US 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222.

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Telecom Europe Company name:

Project:

Title: Method for configuring a telecommunication system

Country of registration:

US Application no.: US 641918 Patent no.: US 6,510,137

Countries applicable:

US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222. Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Mitsubishi Electric Telecom Europe Company name:

Project: UMTS

Title: Method for configuring a telecommunication system

Country of registration: **EPO**

Application no.: EPO0460046.6 Patent no.: EP1077576

Countries applicable: CN, DE, FR, GB, JP, US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Mitsubishi Electric Telecom Europe

Project:

Title: Method for balancing the ratio Eb/l in a service multiplexing CDMA system and telecommunication

systems using same

Country of registration: FR

Application no.: FR99 08041 Patent no.: FR2792788 Countries applicable:

FR

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Mitsubishi Electric Telecom Europe

Project: **UMTS**

Title: Method for configuring a telecommunication system

Country of registration: FR

Application no.: FR99 10752 Patent no.: FR2797736 Countries applicable: FR

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.222; ETSI TS 125 222.

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: FR

Application no.: 91102175.6 EP0444485 Patent no.:

FR Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

ΑT

Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: E159.138

Countries applicable: ΑT ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROL A

Project: **UMTS**

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

Country of registration: MXApplication no.: 9100231 Patent no.: 174912 Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: DK

Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103: 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: GB Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title.

Country of registration: GB Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: GB

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration:

Application no.: 91102175.6 EP0444485 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: CH Application no.: 90115487.2 Patent no.: EP0415163 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration:

Application no.: 90115487.2 Patent no.: EP0415163 NI

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: DF

Application no.: 91102175.6 Patent no.: P69127839.3 DE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title.

Country of registration: DF

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Application no.: 90115487.2 Patent no.: P69020070.6

Countries applicable: DF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration:

Application no.: 90115487.2 EP0415163 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: BF Application no.: 90115487.2 Patent no.: EP0415163 Countries applicable: ΒE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 90107394.6 Patent no.: 27021 Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: CH Application no.: 89901513.5

Patent no.: EP0398911 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title.

Country of registration: NI Application no.: 89901513.5

Patent no.: EP0398911

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: LU

Application no.: 89901513.5 EP0398911 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: DF

Application no.: 89901513.5 Patent no.: P3855136.5 Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

Application no.: 89901513.5 Patent no.: EP0398911 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title.

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: IT Application no.:

90115487.2 Patent no.: EP0415163 IT

Countries applicable:

ETSI Deliverable:

Notes:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: ΑT

Application no.: 89901513.5 EP0398911 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: FR

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

Application no.: 92907804.6 Patent no.: EP0529051 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: **EPO** Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: DK Application no.: 91905041.9 EP0450064 Patent no.:

Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: BF

91905041.9 Application no.: Patent no.: EP0450064

Countries applicable: BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project:

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: GB

Application no.: 92907804.6 Patent no.: EP0529051 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: AT

Application no.: 91905041.9
Patent no.: E191.987
Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: DE

Application no.: 92907804.6 **Patent no.:** 69230710.9

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: JP
Application no.: 9-141040
Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: GB
Application no.: 9315243.7
Patent no.: 2269300
Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: FR
Application no.: 88115574.1
Patent no.: EP0310876

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: GR

Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103: 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: SE Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS Title.

Country of registration: **EPO** Application no.: 99956911.4 Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: ES

Application no.: 91102175.6 EP0444485 Patent no.: ES

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: NI

Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: ΙIJ

Application no.: 91102175.6 EP0444485 Patent no.: LU

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

IΤ

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 IT

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: UA

Application no.: 93004000 Patent no.: 40009 Countries applicable: UA

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: Application no.: 933673

Patent no.:

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: RU

Application no.: 93054764.00 Patent no.: 2145466 Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: CH

Application no.: 91102175.6
Patent no.: EP0444485
Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: IT

Application no.: 92907804.6
Patent no.: EP0529051
Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CH
Application no.: 87110260.4
Patent no.: EP0255628
Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: AT

 Application no.:
 88115574.1

 Patent no.:
 EP0310876

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: NO 860947 Patent no.: 169810 Countries applicable: NO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: KR
Application no.: 86-700145
Patent no.: 59947
Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: FR
Application no.: 86903767.1
Patent no.: EP0226613

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: GB
Application no.: 86903767.1
Patent no.: EP0226613

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: DE

Application no.: 86903767.1 **Patent no.:** P03689035.9

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: FI
Application no.: 870642
Patent no.: 92118
Countries applicable: FI

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: FR

Application no.: 87110260.4
Patent no.: EP0255628
Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: GB
Application no.: 87110260.4
Patent no.: EP0255628

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: DE

 Application no.:
 87110260.4

 Patent no.:
 P3752127.6

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CH

Application no.: 85903622.0
Patent no.: EP00188554

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: NL

 Application no.:
 87110260.4

 Patent no.:
 EP0255628

 Countries applicable:
 NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration:

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: SF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: KR Application no.: 87-700178 Patent no.: 81696 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643 Countries applicable: ΒE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

87902067.5 Application no.: Patent no.: EP0269643

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: GB

Application no.: 87902067.5 Patent no.: EP0269643 GB

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: DF

Application no.: 87902067.5 Patent no.: P3787788.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643 IT

Countries applicable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

NL Application no.: 87902067.5 EP0269643 Patent no.:

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: SE

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: SF

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: P3882869.3 DF

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: IΤ

Application no.: 87110260.4 Patent no.: EP0255628

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GR

Application no.: 920100062 Patent no.: 1001801 Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration:

Application no.: 85903622.0 EP00188554 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: MX Application no.: 9200735 Patent no.: 179935 Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064 СН

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title:

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: ES Application no.:

91905041.9 Patent no.: EP0450064

Countries applicable: ES

Notes:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration:

Application no.: 91905041.9 EP0450064 Patent no.:

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: HU

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: LU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: DF

Application no.: 91905041.9 Patent no.: 69033510.5

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: GB Application no.:

91905041.9 Patent no.: EP0450064

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: Application no.: 86 1015 Patent no.: 79768

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: GB

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: TR Application no.: 92-0178 Patent no.: 25708 Countries applicable: TR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: FR Application no.: 9202058 Patent no.: FR9202058

Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: BR Application no.: 9205605-9 9205605-9 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: BF

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: BE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration:

Application no.: 85903622.0 Patent no.: EP0188554 DE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: ZΑ Application no.: 92-0950 Patent no.: 92/0950 Countries applicable: ZΑ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: CN

Application no.: 92101024.9 Patent no.: 92101024.9

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: KR

92-702841 Application no.: Patent no.: 99714 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: IT

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: IT

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: N

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: EPO
Application no.: 85903622.0
Patent no.: EP00188554
Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: DE

 Application no.:
 89113864.6

 Patent no.:
 P68912672.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: CH

 Application no.:
 87902067.5

 Patent no.:
 EP0269643

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.:

Patent no.:

Countries applicable:

GB

89113864.6
EP0352786
GB

GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: DE

 Application no.:
 89113864.6

 Patent no.:
 P68912672.7

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GR

Application no.: 89113864.6
Patent no.: 3030676
Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELF

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

 Application no.:
 89113864.6

 Patent no.:
 EP0352786

IT

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: NL

 Application no.:
 89113864.6

 Patent no.:
 EP0352786

Countries applicable: NI

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: ES

Application no.: 89113864.6
Patent no.: EP0352786
Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 SE

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: ΑT

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: **EPO** Application no.: 89113864.6

Patent no.: EP0352786 Countries applicable: **EPO**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: EPO Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: GB

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: AT

 Application no.:
 89113864.6

 Patent no.:
 EP0352786

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GR

Application no.: 89113864.6
Patent no.: 3030676
Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: IT
Application no.: 89113864.6
Patent no.: EP0352786

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: NL

 Application no.:
 89113864.6

 Patent no.:
 EP0352786

Countries applicable: NI

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: ES

Application no.: 89113864.6
Patent no.: EP0352786
Countries applicable: ES

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: SF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: FΙ Application no.: 891276 Patent no.: 100078 Countries applicable: FΙ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: NO Application no.: 892094 Patent no.: 179310 Countries applicable: NO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE REDUCTION FOR A RADIO SYSTEM Title:

Country of registration: US Application no.: 893116 4696027 Patent no.: Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: US Application no.: 894387 Patent no.: 4654867 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: Application no.: 89-701035 Patent no.: 112435

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FR

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title:

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: BF

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: BF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: GB

Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: GR Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: IU

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: LU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: NI

Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration:

Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: SF Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable: СН

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: FΙ Application no.: 892678 Patent no.: 108099 Countries applicable: FΙ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: IN

Title:

Application no.: 89/DEL/92 Patent no.: 185240

Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

Application no.: 89113864.6 EP0352786 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: AT

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: ΑT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: KR **Application no.:** 89-701765

Patent no.: 62183
Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: EPO
Application no.: 89101118.1
Patent no.: EP0332818

Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: FR
Application no.: 89101118.1

Patent no.: EP0332818
Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GB
Application no.: 89101118.1
Patent no.: EP0332818

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: DE

Application no.: 89101118.1
Patent no.: P68927575.7
Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GR

Application no.: 89101118.1 Patent no.: EP0332818 GR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: IT

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title:

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: NL

NI

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 89101118.1 EP0332818 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: SF

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 89101118.1 Patent no.: EP0332818 СН

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITHNATIONWIDE ROAMING CAPABILITY Title:

Country of registration: CN Application no.: 89100461.0 Patent no.: 11559

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title. KR

Country of registration: Application no.:

10-2000-7001036

Patent no.: Countries applicable:

KR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: JΡ

Application no.: 10-537628

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

SYSTEM KR

Country of registration:

Application no.: 10-2002-7000181

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2001-7008819

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration:

Application no.: Patent no.:

10-2001-7001734

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS OF VOICE PACKET COMMUICATIONS Title:

Country of registration:

Application no.: 10-2001-7001230

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7015028 Patent no.:

Countries applicable:

KR

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION Title:

SYSTEM

Country of registration:

KR Application no.: 10-2000-7012413

Patent no.:

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: Application no.: 1852/89 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 10-2000-7008055 Patent no.: 10-344600 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS Title:

COMMUNICATION SYSTEM

Country of registration:

Application no.:

IN 1089/DEL/97

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-1999-7007740 Patent no.: 10-333464 Countries applicable:

KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

Title:

METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration:

Application no.: 10-1999-19337 Patent no.: 10-310811 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: KR

Application no.: 10-1997-708134 **Patent no.:** 10-288855

Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS
Title: METH

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: KR

Application no.: 10-1997-704788 **Patent no.:** 286719

Patent no.: 286 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: IL
Application no.: 101044
Patent no.: 669127
Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: IL
Application no.: 100871
Patent no.: 100871
Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DK
Application no.: 0921/93
Patent no.: 173808
Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration:

Application no.: 10-2000-7011192

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

133862

IL

Patent no.: Countries applicable:

IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Motorola **UMTS** W-CDMA

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Motorola have stated that they have not yet finally determined whether or not their IPRs are in fact essential to the W-CDMA proposal and does not know what will be the final contents of the proposal in the event of adoption. Motorola will, however, agree to grant licenses under its IPR essential to a W-CDMA standard, if and when adopted by ETSI, on fair, reasonable, and non-discriminatory terms in accordance with clause 6.1 of the ETSI IPR Policy, provided that those who seek licenses agree to reciprocate.

Company name:

MOTOROLA Project: UMTS

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: ΑU Application no.: 17584/97 689403 Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: US Application no.: 170960 Patent no.: 4887265 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: MX
Application no.: 16790
Patent no.: 166679
Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR TELEPHONE SYSTEM

Country of registration: JP
Application no.: 1-59863
Patent no.: 2079947
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: JP
Application no.: 1-501498
Patent no.: 2757515
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: US
Application no.: 149245
Patent no.: 4833701
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: US
Application no.: 107227
Patent no.: 5029233
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 137059 Patent no.: Countries applicable: IL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: IN

Application no.: 1078/DEL/91 Patent no.: 183937 Countries applicable: IN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

Title:

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: Application no.: Patent no.:

130615

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: DUAL MODE RADIO RECEIVER WITH SCANNING CAPABILITY

Country of registration: US Application no.: 124210 Patent no.: 4872204

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: Application no.: Patent no.:

IL 120574

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 1199/DEL/1997

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project:

UMTS

RADIOTELEPHONE SUBSCRIBER UNIT AND METHOD OF SYSTEM ACCESS FOR THE UNIT Title:

Country of registration: JΡ Application no.: 1-194462 Patent no.: 2133811 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: Title.

Notes:

Title:

UMTS

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: IL Application no.: 119226 Patent no.: 119226 Countries applicable: IL

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: 1120/DEL/88 Patent no.: 175516 IN

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS Title: US

Country of registration: Application no.:

09/573526

Patent no.:

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: AU
Application no.: 14565/92
Patent no.: 658402

Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: GB
Application no.: 0215267.6
Patent no.: 2373146
Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM

DEDICATED MODE

Country of registration: US
Application no.: 09/599492
Patent no.: 6424637
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/657925 Patent no.: 5940445

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 08/616542
Patent no.: 5745520
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: US
Application no.: 08/556358
Patent no.: 5659622

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: US
Application no.: 08/295173
Patent no.: 5572193

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: US
Application no.: 08/214998
Patent no.: 5359696
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration:USApplication no.:08/031258Patent no.:5329547Countries applicable:US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: US
Application no.: 08/855173
Patent no.: 5999826
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: Application no.: 040790 Patent no.: 5627830 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR CONTROLLING TRANSMIT DIVERSITY IN A COMMUNICATION Title:

SYSTEM

Country of registration: US Application no.: 08/904042 Patent no.: 6141542 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: **EPO** Application no.: 01901736.7 Patent no.: EP1249138 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE CN

Country of registration: Application no.: Patent no.:

01803473.X

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ΤH Application no.: 015520 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A

COMMUNICATION SYSTEM

Country of registration: EPO Application no.: 00975568.7 Patent no.:

Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS
Title: TRAN

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration:EPOApplication no.:00951359.9Patent no.:EP1198904Countries applicable:EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

Country of registration: EPO
Application no.: 00944789.7
Patent no.: EP1201053
Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CN
Application no.: 00810157.4
Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: GE
Application no.: 002141
Patent no.: 1767
Countries applicable: GE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: US Application no.: 049248 Patent no.: 5502752

Countries applicable: US **ETSI Deliverable:**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration: US Application no.: 09/131628 Patent no.: 5991285 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration:

Application no.: 19681070.1

Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: US Application no.: 09/479042 Patent no.: 6282182 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/451074 Patent no.: 6366880 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS THEREFOR

Country of registration: US
Application no.: 09/415168
Patent no.: 6192256

Patent no.: 61922 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM

Country of registration: US
Application no.: 09/348571
Patent no.: 6175559
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/293448
Patent no.: 6453291
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/229478 Patent no.: 6091757

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 08/806949
Patent no.: 6104993
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS

Country of registration: US
Application no.: 09/186911
Patent no.: 6212391

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR ENCODING MUSIC INTO SEVEN-BIT CHARACTERS THAT CAN BE

COMMUNICATED IN AN ELECTRONIC MESSAGE

Country of registration: US
Application no.: 09/580739
Patent no.: 6291756
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: US
Application no.: 09/124946
Patent no.: 6130883
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/107106
Patent no.: 6067324

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: US
Application no.: 09/086149
Patent no.: 6141638
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 09/074816
Patent no.: 5966384
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/057166
Patent no.: 6058107
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: US
Application no.: 09/012927
Patent no.: 6246697
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 08/971976
Patent no.: 5940430
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: US
Application no.: 08/904204
Patent no.: 6038263

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/204702
Patent no.: 6233231

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CA
Application no.: 539748
Patent no.: 1238689
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: US
Application no.: 626227
Patent no.: 5239294
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: NOISE SUPPRESSION SYSTEM

Country of registration: JP

Application no.: 61-502908
Patent no.: 2714656
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: TWO WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: US
Application no.: 608334
Patent no.: 4644351
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: A TWO WAY PERSONAL MESSAGE SYSTEM WITH EXTENDED COVERAGE

Country of registration: JP

Application no.: 60-502214
Patent no.: 1782034
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: CA
Application no.: 601702
Patent no.: 1297162
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: AU
Application no.: 59525/90
Patent no.: 634795
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: CA
Application no.: 586769
Patent no.: 1309480

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: AU
Application no.: 17828/97
Patent no.: 723992
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: CA
Application no.: 574300
Patent no.: 1307828
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:USApplication no.:669127Patent no.:5204876Countries applicable:US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/DATA AND EMBEDDED

SIGNALLING

Country of registration: CA
Application no.: 514356
Patent no.: 1259659
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CA
Application no.: 486521
Patent no.: 1230648
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: US
Application no.: 485408
Patent no.: 5228029
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: CA
Application no.: 480561
Patent no.: 1231383
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIO TELEPHONE

Country of registration: AU
Application no.: 46345/85
Patent no.: 577742
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: A SPREAD SPECTRUM CHANNEL APPARATUS AND METHOD OF COMMUNICATION

Country of registration: JP
Application no.: 4-507304
Patent no.: 2632596
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: JP
Application no.: 4-507288
Patent no.: 2987935

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD OF OPERATING A SYSTEM INCLUDING A CENTRAL STATION AND A PLURALITY OF

INDIVIDUAL REMOTE STATIONS A SYSTEM AND A REMOTE STATION

Country of registration: DK
Application no.: 5760/87
Patent no.: 165273
Countries applicable: DK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: Application no.: 85902748.4 EP0179898 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: CH Application no.: 85902748.4 Patent no.: EP0179898

Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: SE

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: SF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: UMTS

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: Application no.: 85902748.4 EP0179898 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: HU Application no.: 85902748.4 Patent no.: EP00179898 Countries applicable: LU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: HK Application no.: 85902748.4 Patent no.: 506/1990

Countries applicable: ΗK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: DF

Application no.: 85902748.4 Patent no.: P3576035.4 DF

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: UMTS

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: JΡ Application no.: 63-507748 1941842 Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: FR Application no.: 85902748.4 Patent no.: EP0179898 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: JΡ

Application no.: 6-520006 Patent no.: Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: ΒE

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: RF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: AT Application no.: 85902748.4

EP00179898 Patent no.:

Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CN 85106519 Application no.: Patent no.: 10981 Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: ΑU Application no.: 84851/98 Patent no.: 732494 Countries applicable: ΑIJ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: TW
Application no.: 81101381
Patent no.: NI-62506
Countries applicable: TW

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: PROVISION OF SPEECH CODER GAIN INFORMATION USING MULTIPLE CODING MODES

Country of registration: US
Application no.: 755393
Patent no.: 5657418
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title:

IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: US
Application no.: 750942
Patent no.: 4628529
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: TH
Application no.: 34157
Patent no.:

Countries applicable:

ountries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: GB
Application no.: 85902748.4
Patent no.: EP0179898
Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration: JF

Application no.: 2000-565617 Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: US
Application no.: 402958
Patent no.: 5097508
Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: CA
Application no.: 2077343-0
Patent no.: 2077343
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration:EPOApplication no.:99930342.3Patent no.:EP1104600Countries applicable:EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: CA
Application no.: 2037899-9
Patent no.: 2037899
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: KR Application no.: 93-702329 Patent no.: 127995 Countries applicable: KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: CA Application no.: 2021508-9 Patent no.: 2021508 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

JΡ

Country of registration:

Application no.:

2001-552658 Patent no.:

Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: CA 2100753 Application no.: Patent no.: 2100753 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

JΡ 2000-594212

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration:

Application no.: 2122/DEL/1996

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

.IP

Project: **UMTS**

METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS Title:

Country of registration:

Application no.: 2000-563080

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.:

2000-557556

Countries applicable:

JP **ETSI Deliverable:**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: JP

Application no.: 2000-548965 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 2000-542864

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 2000-529091 Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: JΡ

Application no.: 2000-505701

Patent no.:

Countries applicable: .IP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 2000104849

Patent no.:

Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CA Application no.: 2,379,122

Patent no.:

Notes:

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM

Country of registration: Application no.:

JΡ 2001-510175

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: CA Application no.: 2318271 Patent no.: Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: ΙE Application no.: 2029/89 Patent no.: 62007 Countries applicable: ΙE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: Application no.:

327618

Patent no.:

AR

AR

Countries applicable: ETSI Deliverable:

GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: A RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/DATA SIGNALLING

Country of registration: LIS Application no.: 310013 Patent no.: 4876740 Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: Application no.: 29335/89 Patent no.: 618068 Countries applicable: ΑU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: AU
Application no.: 27606/01
Patent no.:
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: JP
Application no.: 2-509641
Patent no.: 3268360
Countries applicable: JP

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: AU
Application no.: 24278/88
Patent no.: 613970
Countries applicable: AU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: CA
Application no.: 2087433
Patent no.: 2087433
Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2336307

Application no.: 233630
Patent no.:

Countries applicable: C

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: JΡ Application no.: 3-512685 Patent no.: 2750638 Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS** Title:

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM CA

Country of registration: Application no.:

2298647 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

2281696

CA

Patent no.: Countries applicable:

CA **ETSI Deliverable:**

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: US Application no.: 225337 Patent no.: 4905301

Countries applicable: US

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: CA Application no.: 2220068 Patent no.: 2220068 Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: CA
Application no.: 2203917
Patent no.: 2203917
Countries applicable: CA

ETSI Deliverable:GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: CA
Application no.: 2202829
Patent no.:

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: MX
Application no.: 21980
Patent no.: 167644
Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: CA
Application no.: 2134230
Patent no.: 2134230

Countries applicable: CA

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: NZ
Application no.: 241673
Patent no.: 241673
Countries applicable: NZ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: P4290392.0 Patent no.: P4290392 Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

Country of registration: BR

Application no.: PI9912642-7

Patent no.:

BR

Countries applicable: **ETSI Deliverable:** GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS Title:

Country of registration:

Application no.: PI9912272-3

Patent no.:

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: BR

Application no.: PI9607249-0 Patent no.: 9607249-0

Countries applicable: BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration:

Application no.: PI9400441

Patent no.:

Countries applicable:

MY

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: PI8807880 Patent no.: PI8807880-9

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: BR

Application no.: PI0107467-9

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

> **SYSTEM** BR

Country of registration:

Application no.: PI0012234-3

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01: ETSLTS 101 855: 3GPP TS 41.102: ETSLTS 141 102: 3GPP TS 41.103: ETSLTS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM

DEDICATED MODE

Country of registration:

Application no.:

PCT PCT/US01/18121

Patent no.:

Countries applicable:

PCT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: HU

Application no.: PCT/US01/00256

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: MX

Application no.: PA/A/2002/006696

Patent no.:

Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: HU
Application no.: P9800843
Patent no.: 219255
Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: AT
Application no.: A9006/92
Patent no.: 407812
Countries applicable: AT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: HU
Application no.: P9302299
Patent no.: 216677
Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: IT

Application no.: RM92A000119
Patent no.: 1258355
Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DE

Application no.: P4244920.0

Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: PL
Application no.: P-306002
Patent no.: 174713
Countries applicable: PL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration:

Application no.: Patent no.:

IN

cation no.: IN/PCT/2002,00901

Countries applicable:

ountries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: HK
Application no.: EP0352786
Patent no.: 349/1997
Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: SG
Application no.: EP0352786
Patent no.: 9790285-2

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: EP0352786 Patent no.: 349/1997 Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: SG Application no.: EP0310876 Patent no.: 9790287-8 Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: HK Application no.:

EP0310876 Patent no.: 188/1997 Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title:

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: SG

Application no.: EP0269643 Patent no.: 9790338-9

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: SG Application no.: EP0226613 Patent no.: 9790286-0 Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: H

 Application no.:
 EP0226613

 Patent no.:
 192/1997

Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

FΙ

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration:

Application no.: 945336
Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: HU
Application no.: P9700908
Patent no.: 218.636
Countries applicable: HU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: UMTS

Title: Method and apparatus for transmitting information for multiple independent users in a communication

system

Country of registration: US

Application no.:

Patent no.: Countries applicable: 5,627,830 US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: EPO
Application no.: 94913263.3
Patent no.: EP0643889
Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103: ETSI TS 121 103: 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: FR

Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable:

FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: GB

Application no.: 94913263.3 EP0643889 Patent no.:

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: DF

Application no.: 94913263.3 Patent no.: 69430720.3 Countries applicable: DF

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

UMTS Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM IT

Country of registration:

Application no.: 94913263.3 EP0643889 Patent no.:

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: JP Application no.: 9-518820

Patent no.: Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

923

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: .IP Application no.: 9-532578 Patent no.: Countries applicable: JΡ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM

COMMUNICATION SYSTEM

Country of registration: Application no.: 9602270-2 Patent no.: 9602270-2

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: UMTS

Title: Method and apparatus for providing high data rate traffic channels in a spread spectrum communication

> system US

Country of registration:

Application no.: Patent no.:

5,204,876

Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **UMTS**

Radio arrangement having two radios sharing circuitry Title: US

Country of registration:

Application no.: Patent no.:

5,029,233

Countries applicable:

ÚS

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: SG Application no.: 9602783-4 Patent no: 9602783-4 Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

924

Company name: **MOTOROLA**

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: Application no.: 9610428.6 Patent no.: 2313261

Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM

Country of registration: **BR**

Application no.: PI9915856-6

Patent no.:

Countries applicable: BR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 ETSI Deliverable:

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Radio arrangement having two radios sharing circuitry

Country of registration: US Application no.:

Patent no.: 6,006,104 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name: Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: BR

Application no.: PI9916802-2

Patent no.:

Countries applicable: BR

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Two way personal message system with extended coverage

Country of registration: US Application no.:

Patent no.: 4,644,351 Countries applicable: US **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Packet-switched cellular phone system

Country of registration: Application no.:

Patent no.: Countries applicable:

4,887,265 US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Motorola Project: UMTS

Title: Trunked communication system with nation-wide roaming capability

Country of registration:

Application no.:

Patent no.: 4,833,701 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola UMTS

5,659,622

US

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Method and apparatus for suppressing noise in a communication system

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Handoff apparatus and method with interference reduction for a radio system Title:

Country of registration:

Application no.:

Patent no.: 4,696,027 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Motorola **UMTS**

Title:

Dual Mode Radio Receiver with Scanning Capability

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Notes:

4,872,204

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Method and apparatus for data transmission within a broadband communications system

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

5,964,356 US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Digital speech coder having improved sub-sample resolution long-term predictor Title:

Country of registration: Application no.:

Patent no.: Countries applicable: 5,359,696

US

US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration:

Application no.: SE9403860-1

Patent no.:

SF

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration:

Application no.: SE9302618-5 516082 Patent no.: Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration:

EPO 99968544.9 Application no.: Patent no.: EP1145466

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: AT

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: ΑT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GR

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: GR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS** TD-CDMA Title:

Country of registration: Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: GB Application no.: 9713727.7 Patent no.: 2313266 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: RU Application no.: 97113483 Patent no.: 2169992 Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: CN Application no.: 97111190.1

Patent no:

ETSI Deliverable:

Countries applicable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: Application no.: 97108171 Patent no.: 2141168 Countries applicable: RU

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: SE

Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable: SE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title.

Country of registration: IT Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable: IT

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

VERFAHREN UND VORRICHTUNG ZUR GEWICHTUNG EINES UEBERTRAGUNGSWEGES Title:

Country of registration:

Application no.: 97105365.7 69705356.3 Patent no.: Countries applicable: DE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: GB Application no.: 97105365.7 Patent no.: EP0807989 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 97105365.7 Patent no.: EP0807989 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: FI

Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable: FΙ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title:

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: SG Application no.: EP0179898 Patent no.: 9090304-8

Countries applicable: SG

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 68929365.8 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title: KR

Country of registration: Application no.: Patent no.:

97-19503

Countries applicable:

KR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: NI

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: NL

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS** Title:

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

ES Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: FS

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: CH

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: CH

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM

Country of registration: Application no.: 9612357 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title:

Country of registration: CN

Application no.: 96191426.2 Patent no.: ZL9619426.2

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

Title.

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM SE

Country of registration: Application no.:

9701659-6

Patent no.: Countries applicable:

SE

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM BR

Country of registration:

Application no.: 9702114

Patent no.:

Countries applicable:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title: BR

Country of registration: Application no.: Patent no.:

9703357

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: 97102167.7 Patent no.: HK1000621 Countries applicable: HK

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 **ETSI Deliverable:**

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: GE Application no.: 2061 Patent no.: 1765 Countries applicable: GE

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: HK

Application no.: 97102296.1 Patent no.: HK1000758 Countries applicable: HK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 98901181.2

Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

DATA TRANSMISSION WITHIN A SPREAD-SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: **EPO** 99964050.1 Application no.: Patent no.: EP1135867 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: Application no.: 99963155.9 Patent no.: EP1101368

Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: FR

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: FR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: Application no.: 99935337.8 EP1092273 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GB

Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: GB

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM Title:

Country of registration: **EPO** Application no.: 99914262.3 Patent no.: EP1070394 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM

Country of registration: **EPO** Application no.: 99913836.5 Patent no.: EP1080544 Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM CN

Country of registration:

Application no.:

99808117.5

Patent no.:

Countries applicable: CN

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

Title:

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM BR

Country of registration:

Application no.: Patent no.:

9911629-4

BR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: UMTS

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION Title:

SYSTEM Country of registration: BR

Application no.:

Patent no.:

9910263-3

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM Title:

Country of registration: BR Application no.: 9909481-9

Countries applicable:

Patent no.:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: Application no.: 9904633-4 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: FΙ Application no.: 971840 Patent no.: 101671 Countries applicable: FΙ

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: Application no.: 98966754.8 EP1053613 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM

Country of registration: CN Application no.: 97190206.2 Patent no.:

Countries applicable: CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: CN

Application no.: 98813292.3

Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 98807782.5 Patent no.:

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

98802467.5

Patent no.:

CN

CN

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

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licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.:

Patent no.:

9814785-4

BR

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: BR

Application no.: Patent no.:

9810855-7

Countries applicable:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141 103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title: HK

Country of registration: Application no.:

98104250.0 HK1005112

HK

Patent no.: Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

MOTOROLA Company name:

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 98102904.4 Patent no.: HK1003856 Countries applicable: ΗK

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103: 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.: Patent no.:

BR 9807369-9

Countries applicable:

BR

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: Title.

UMTS

Country of registration:

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM AR

Application no.:

98-01-03767

Patent no.: Countries applicable:

AR

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM

Country of registration:

EPO 97903749.6

Application no.: Patent no.:

EPO

Countries applicable: ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATIO N SYSTEM Title: FΙ

Country of registration: Application no.: Patent no.:

972852

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **MOTOROLA**

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable:

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: FPO Application no.: 98967150.8 Patent no.: EP1228590 Countries applicable: EPO

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: MX Application no.: 9401801 185865 Patent no.: Countries applicable: MX

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD-SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 94190121.1 Patent no.: 94190121.1 Countries applicable:

CN

ETSI Deliverable: GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

MOTOROLA Company name:

Project: **UMTS**

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

Country of registration: MXApplication no.: 9402259

Patent no.:

Countries applicable:

ETSI Deliverable:

GSM TS 01.01; ETSI TS 101 855; 3GPP TS 41.102; ETSI TS 141 102; 3GPP TS 41.103; ETSI TS 141

103; 3GPP TS 41.104 RELEASE 6; 3GPP 21.101; ETSI TS 121 101; 3GPP 21.102; ETSI TS 121 102;

3GPP 21.103; ETSI TS 121 103; 3GPP TS 21.104 RELEASE 6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

NEC Corporation

Project: Title:

UMTS W-CDMA

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

NEC Corporation has declared that it owns IPRs related to the W-CDMA technology. In the event the W-CDMA technology is elected by ETSI as a standard for UMTS radio access methods, NEC is prepared to grant licenses/cross licenses (subject to reciprocity) to the patents it has, on a fair, reasonable and nondiscriminatory basis, in accordance with the terms and conditions set forth in clause 6.1 of the ETSI IPR Policy, to that extent that the IPRs remain essential to the Standard.

Company name:

Nokia **UMTS** W-CDMA

Title: Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

Project:

Nokia is prepared to grant under its respective essential IPRs licenses/crosslicenses (subject to reciprocity) on a fair, reasonable and non discriminatory basis (in accordance with ETSI's IPR Policy

clause 6.1)

Company name:

Nokia Corporation

Project: Title:

UMTS A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration:

19992005

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS AN APPROACH FOR CELL-ID DETERMINATION IN A WCDMA SYSTEM

Title: Country of registration:

TS25.305

Application no.:

Patent no.:

PCT/EP00/13044

Countries applicable:

ETSI Deliverable:

Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: **UMTS** Title: AN APPROACH FOR CELL-ID DETERMINATION IN A WCDMA SYSTEM

Country of registration:

GB 0000528.0

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS25.305 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

PCT

Title:

USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW

BANDWIDTH ENVIRONMENT

Country of registration:

Application no.: Patent no.:

PCT/US00/29846

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW

BANDWIDTH ENVIRONMENT

Country of registration: Application no.:

US 09/434384

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION

Country of registration:

PCT

Application no.:

PCT/EP00/09100

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.401, TS25.331, TS25.413, TS25.301

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION

Country of registration: Application no.:

9921706.9

GB

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.401, TS25.331, TS25.413, TS25.301

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

EARLY INTEGRITY CHECK

Country of registration:

Application no.:

PCT/FI00/00421

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: **EARLY INTEGRITY CHECK**

Country of registration: US

Application no.: PCT/FI00/00421

Patent no.:

Countries applicable: ETSI Deliverable:

TS 33.102

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

EARLY INTEGRITY CHECK Title:

Country of registration: FΙ Application no.: 991088

Patent no.:

Countries applicable:

ETSI Deliverable: TS 33.102

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT Title:

Country of registration:

Application no.: PCT/FI00/00796

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

EARLY INTEGRITY CHECK Title:

CA

Country of registration: CA

Application no.:

Patent no.:

PCT/FI00/00421

Countries applicable:

ETSI Deliverable:

TS 33.102

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project:

Title:

UMTS

TELECOMMUNICATION NETWORK

Country of registration:

PCT

Application no.: PCT/EP99/04520

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: TELECOMMUNICATION NETWORK

Country of registration: CN

Application no.: PCT/EP99/04520

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS23.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A NEW PROCEDURE TO RELEASE RADIO BEARER IN UMTS Title:

Country of registration: PCT

PCT/EP00/04231 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.413, TS 23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

A NEW PROCEDURE TO RELEASE RADIO BEARER IN UMTS GB

Country of registration: Application no.:

9913092.4 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.413, TS 23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: PCT

Application no.:

Patent no.:

PCT/EP99/03275

Countries applicable:

ETSI Deliverable:

TS 29.007

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: US

Application no.:

PCT/EP99/03275 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 29,007 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

Country of registration:

Application no.: 2000-605413

Patent no.: Countries applicable:

ETSI Deliverable:

TS 29.007

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: Application no.:

EPO 00901129.7

Patent no.:

Countries applicable:

ETSI Deliverable: TS 29.007

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: CN

Application no.: PCT/EP99/03275

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 29.007

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES US

Country of registration:

Application no.: 09/326958

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 22.038

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration:

Application no.:

KR 2000-27490

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: **EARLY INTEGRITY CHECK**

Country of registration: CN

Application no.: PCT/FI00/00421

Patent no.: Countries applicable:

ETSI Deliverable:

TS 33.102

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: US Application no.: 09/223531 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: TEMPORARY INDENTITY CODING

Country of registration: US

Application no.: 09/806939

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

TEMPORARY INDENTITY CODING Title:

Country of registration:

Application no.:

Patent no.:

PCT/FI99/00825

Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL Title:

Country of registration: **EPO** Application no.: 00940696.9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL Title:

Country of registration:

GB 9915593.9

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL

Country of registration: US

PCT/IB00/00962 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL PCT

Country of registration:

Application no.:

Patent no.:

PCT/IB00/00962

Countries applicable:

ETSI Deliverable: TS 25.322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: BR

Application no.: PI9900005-9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: CN Application no.: 99100902.9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: **EPO** Application no.: 99300037.1

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: Application no.: 981663 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: IN

Application no.: 2840/MAS/98

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: PCT

Application no.: PCT/FI99/01038

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: KR Application no.: 99-59

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SECURITY INTERWORKING BETWEEN RELEASE 98 AND 99 MSC/VLRS FOR ROAMING USIMS Title:

Country of registration: PCT

PCT/EP99/08422 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 33.102, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

CID FIELD HANDLING IN ROHC Title:

Country of registration: US Application no.: 09/954562

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

A TIMER-BASED SCHEME FOR EFFICIENT AND ROBUST COMPRESSION OF RTP TIME STAMP

Country of registration: US

09/377913, 09/522363 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Nokia Corporation

Project: UMTS

Title: A TIMER-BASED SCHEME FOR EFFICIENT AND ROBUST COMPRESSION OF RTP TIME STAMP

Country of registration: PCT

Application no.: PCT/US01/07573

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: BR

Application no.: Pl9916334-9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: CA **Application no.:** 2354519

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: CN Application no.: 99815532.2

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: EPO Application no.: 99963607.9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: FI Application no.: 982721 Patent no.: 107772

Countries applicable: ETSI Deliverable:

verable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration:

2000-588978 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

Country of registration: HK

Application no.: Patent no.:

01103525.7

Countries applicable:

ETSI Deliverable: TS 22.038

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: US Application no.: 09/877247

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

.IP

Project: **UMTS**

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration:

11-000084 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: **EPO** Application no.: 99952667.6 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.153

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration:

Application no.: 2000-171986

Patent no.: Countries applicable:

ETSI Deliverable:

TS 22.038

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: **GUARANTEED SERVICE SELECTION**

Country of registration: ZA Application no.: 99/0213 Patent no.: 99/0213

Countries applicable:

ETSI Deliverable: TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

GUARANTEED SERVICE SELECTION Title:

Country of registration: **PCT**

Application no.: PCT/FI99/00012

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: US Application no.: 09/367921

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: JP

Application no.: 11-536779

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: **GUARANTEED SERVICE SELECTION**

Country of registration: Application no.: 980062 Patent no.: 106831

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: EPO Application no.: 99900478.1

Patent no.:

Countries applicable: HK

ETSI Deliverable: TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: CN

Application no.: 99800032.9

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

GUARANTEED SERVICE SELECTION Title:

Country of registration: CA Application no.: 2283264

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 23.060, TS 29.061

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: PCT

Application no.:

Patent no.:

PCT/FI99/00868

Countries applicable:

ETSI Deliverable: TS 23.153

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: US Application no.: 09/830028

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.153

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: CN Application no.:

99809669.5

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: FΙ Application no.: 982283 Patent no.: 107109

Countries applicable:

ETSI Deliverable:

TS 23.153

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: **EPO** Application no.: 99938418.3

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: CN 99812412.5

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.153

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration:

Application no.: 851368, 09/255251, 09/255228, 08/851368

Patent no.: 6094426, 6091717

Countries applicable:

ETSI Deliverable: TS 25.331

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION Title:

Country of registration: KR Application no.: 98-15985

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION JP

Country of registration:

Application no.: Patent no.:

119159/1998

Countries applicable:

ETSI Deliverable:

TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION Title:

Country of registration: **EPO** Application no.: 98303427.3

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION Title:

Country of registration: Application no.:

CN 98109730.8

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration:

Application no.: PI9801567-2

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: **PCT**

Application no.: Patent no.:

PCT/FI97/00570

Countries applicable:

ETSI Deliverable:

TR 22.925, TR 23.907

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration:

Application no.:

US 09/269226

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 22.925, TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration:

Application no.:

NO 19991398

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 22.925, TR 23.907

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: JP

Application no.: 10-515313

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 22.925. TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: Application no.: 963814 Patent no.: 104141

Countries applicable:

ETSI Deliverable: TR 22.925, TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: JΡ 2000-577846

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.153 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS Title:

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS04.04, TS24.008, TS23.060

FΙ

991521

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TEMPORARY INDENTITY CODING Title:

Country of registration: **EPO** 99947502.3 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES EPO 00304490.6

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 22.038

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

CN

Title:

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration:

Application no.:

00118184.X

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

TS 22.038

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration:

Application no.:

BR PI0002069-9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title:

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration:

Application no.:

PCT PCT/FI99/00770

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.401

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration:

US

Application no.: Patent no.:

PCT/FI99/00770

Countries applicable:

ETSI Deliverable:

TS25,401

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Application no.:

Country of registration:

Patent no.:

2000-571686

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: Application no.: 982029 Patent no.: 105438

Countries applicable:

ETSI Deliverable: TS25.401

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title:

Country of registration: Application no.:

FPO 99946201.3

Patent no.: Countries applicable:

ETSI Deliverable:

TS25.401

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title: CN

Country of registration: Application no.:

99811183.X

Patent no.: Countries applicable:

ETSI Deliverable:

TS25.401

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title: CA

Country of registration: Application no.:

2345034

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.401

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title: ΑIJ

Country of registration: Application no.:

52926/99

Patent no.:

Countries applicable:

TS 25.211, TS 25.212

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration:

Application no.: 2001-525994

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

IN

Country of registration:

Application no.: Patent no.:

198/MAS/2000

Countries applicable:

ETSI Deliverable: TS 22.038

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM Title:

EPO Country of registration: Application no.: 00944072.8

Patent no.: Countries applicable:

ETSI Deliverable: TS04.04, TS24.008, TS23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration:

Application no.:

PCT/EP98/06334

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.427

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: Application no.:

US 09/825898

Patent no.:

Countries applicable:

TS25.427

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

Title:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration:

Application no.: Patent no.:

2000-575261

Countries applicable:

ETSI Deliverable:

TS25,427

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: Application no.:

FPO

Patent no.:

98954346.7

Countries applicable: **ETSI Deliverable:**

Notes:

TS25,427

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE CN

Country of registration:

Application no.: Patent no.: Countries applicable: 98814266X 1315096

ETSI Deliverable:

TS25,427

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration: CA

CHANNEL-DEPENDENT STRUCTURE

Application no.:

2346128

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS25.427

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration:

PCT

Application no.:

PCT/FI99/00670

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: US

Application no.: 09/762696

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 25.211, TS 25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: Application no.:

20010732

NO

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration:

Application no.: Patent no.:

Title:

JP 2000-565689

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: Application no.:

981757

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.211, TS 25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM Title:

Country of registration: PCT

Application no.:

Patent no.:

PCT/FI00/00595

Countries applicable:

ETSI Deliverable: TS04.04, TS24.008, TS23.060 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: Application no.: 981979 Patent no.: 108200

Countries applicable:

ETSI Deliverable: TS23.107 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: JP

Application no.: Patent no.:

2000-305357

Countries applicable:

ETSI Deliverable:

TS25.214, TS25.331 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: FΙ Application no.: 19992174 Patent no.: 107671

Countries applicable:

ETSI Deliverable: TS25,214, TS25,331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration: PCT

Application no.: PCT/FI99/00925

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.302

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

CN DOMAIN SPECIFIC HFN Title:

Country of registration:

Application no.:

Patent no.:

20000479, 20001052

Countries applicable:

ETSI Deliverable: TS 33.102, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: CN DOMAIN SPECIFIC HFN

Country of registration: PCT

Application no.: PCT/FI01/00202

Patent no.: Countries applicable:

ETSI Deliverable:

TS 33.102. TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD TO CALCULATE TRUE ROUND TRIP PROPAGATION DELAY AND UE LOCATION IN Title:

WCDMA/UTRAN

Country of registration: Application no.:

Patent no.:

US 09/571624

Countries applicable:

ETSI Deliverable:

TS25.305

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

METHOD TO CALCULATE TRUE ROUND TRIP PROPAGATION DELAY AND UE LOCATION IN Title:

WCDMA/UTRAN

Country of registration:

Application no.:

PCT

PCT/IB01/00385

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.305

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration: LIS Application no.: 09/831013 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.302

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration:

Application no.:

Patent no.:

2000-581832

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS

Country of registration: Application no.: 982417 Patent no.: 107220

Countries applicable:

ETSI Deliverable: TS 25.302

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration: Application no.:

FPO 99956043.6

Patent no.:

Countries applicable: ETSI Deliverable:

TS 25.302

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TR 22.925, TR 23.907 Notes:

EPO

97942054.4

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: **EPO** Application no.: 99942934.3

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration:

Application no.:

PCT/FI00/00863

TS23.107

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.214, TS25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration:

Application no.: 2000-570990

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.107

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: Application no.:

US 09/394951

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.107

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS CN

Country of registration: Application no.:

99812954.2

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.302

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: UMTS

Title:

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS CA

Country of registration: Application no.:

2348457

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.302

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title: BR

Country of registration:

Application no.:

Patent no.:

PI9915079-4

Countries applicable:

ETSI Deliverable:

TS 25.302 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: CONTROLLING OF UE BEHAVIOUR IN REJECTION OF RRC CONNECTION SETUP ATTEMPT

Country of registration: PCT

Application no.: PCT/FI01/00038

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

CONTROLLING OF UE BEHAVIOUR IN REJECTION OF RRC CONNECTION SETUP ATTEMPT Title:

Country of registration: Application no.:

FI 20000090

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

VARIABLE LENGHT ENCODING OF COMPRESSED DATA Title:

Country of registration: **PCT**

Application no.: PCT/US00/41773

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

VARIABLE LENGHT ENCODING OF COMPRESSED DATA Title:

Country of registration:

Application no.: Patent no.:

09/536638. 60/164330

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SPEECH CODING Title: **EPO**

Country of registration: Application no.:

99903710.4

Patent no.: Countries applicable:

DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: TEMPORARY INDENTITY CODING

Country of registration: JP

Application no.: 2000--575325

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: CN

Application no.: 99810886.3

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.107

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: **EPO**

Application no.: 01911784.5

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT Title:

Country of registration: BR PCT/FI01/00165

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: **PCT**

Application no.: PCT/EP00/01127

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: US

Application no.: 09/741135

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration: NO Application no.: 20010290

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

JP

Project: **UMTS**

Title:

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration:

Application no.: 2000-620753

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.214

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title: **EPO**

00903687.2

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration:

Application no.:

Patent no.:

CN 00800870.1

Countries applicable:

ETSI Deliverable:

TS 25.214

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: ΑU Application no.: 25482/00

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.214 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS Title:

Country of registration: PCT

PCT/FI00/00955 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.301, TS25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS US

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.301, TS25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS Title:

Country of registration:

Application no.:

Patent no.:

2000-321477

09/704205

Countries applicable:

ETSI Deliverable:

TS25.301, TS25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: Application no.:

US 09/679791

Patent no.:

Countries applicable:

ETSI Deliverable: TS25.214, TS25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: CN

Application no.: PCT/FI01/00165

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: PCT

PCT/EP01/00735 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 33.102, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration:

Application no.: 20000407, 20000444

Patent no.: Countries applicable:

Title:

ETSI Deliverable:

TS 25.331

FΙ

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT Title:

Country of registration:

Application no.:

PCT/FI01/00165

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT Title: JΡ

Country of registration:

Application no.:

Patent no.:

PCT/FI01/00165

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: US

Application no.: PCT/FI01/00165

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT Title:

Country of registration: PCT

PCT/FI01/00165 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS ΑU

Country of registration:

Application no.: 28485/01 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 33.102, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: CA PCT/EP01/00735

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 33.102, TS 25.331 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title: FPO

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 33.102, TS 25.331

01953645.7

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS

Country of registration: GB Application no.: 0004178.0

Patent no.: Countries applicable:

ETSI Deliverable:

TS 33.102. TS 25.331

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: Application no.:

IL 145606

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 33.102, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** Title:

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS JP

Country of registration:

Application no.: 2000-562043

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 33.102, TS 25.331 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA Title:

DURING CERTAIN HANDOVERS CN

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.303, TS 25.322

998136247

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS Title:

Country of registration: Application no.:

FΙ 19992369

Patent no.:

Countries applicable:

ETSI Deliverable: TS25.301, TS25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

Country of registration: PCT

Application no.: PCT/FI01/00189

Patent no.:

Countries applicable: **ETSI Deliverable:**

TSS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS Title:

Country of registration: Application no.:

20000315

FΙ

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.323, TS 25.322

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: Title:

Nokia Corporation UMTS

09/780529

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS US

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.323, TS 25.322

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS Title:

Country of registration:

Application no.:

PCT/FI01/00130

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.323, TS 25.322

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

UE OUT-OF-SYNC HANDLING PROCEDURE IN UTRA TDD Title: US

Country of registration: Application no.:

09/513417

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.224, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: UE OUT-OF-SYNC HANDLING PROCEDURE IN UTRA TDD

Country of registration: PCT

Application no.: PCT/IB01/00260

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.224. TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

Country of registration:

Application no.: Patent no.:

20000463

Countries applicable:

ETSI Deliverable: TS25.215, TS25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

TS25,215, TS25,212

Country of registration:

Application no.:

US

09/792455

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

Country of registration:

Application no.:

PCT/FI01/00196

Patent no.:

PCT

Countries applicable:

ETSI Deliverable: Notes:

TS25.215, TS25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration:

Application no.: 09/803677, 60/188649

Patent no.:

Countries applicable:

TS 31.102

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Project: UMTS

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration: PCT

Application no.: PCT/IB01/00337

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS 31.102

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER Title:

Country of registration: Application no.:

20000701

FI

Patent no.:

Countries applicable:

ETSI Deliverable:

TSS 25.331 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: **PCT**

Application no.: PCT/FI99/00728

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.107

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER Title: US

Country of registration: Application no.:

09/790469

Countries applicable:

Patent no.:

ETSI Deliverable:

TSS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ADVANCED N-PDU NUMBERING IN PDCP LAYER Title: FΙ

Country of registration:

Application no.:

20000314, 20001792

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.323

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration:

Application no.: PI9705138-1

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

CN

Country of registration:

Application no.: 97122743.8

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: FPO Application no.: 97660109.6 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: Application no.: 964308 Patent no.: 104142

Countries applicable:

ETSI Deliverable: TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration: HK Application no.:

99102513.6

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration:

Application no.: 2396/MAS/97

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration: JP Application no.: 9-292991

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: KR Application no.: 97-54860

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: US Application no.: 802645 Patent no.: 6031827 Countries applicable:

ETSI Deliverable: TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

TEMPORARY INDENTITY CODING Title:

Country of registration: CN Application no.: 99811826.5 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

PERIODIC CHECK OF TRANSMITTED DATA AMOUNT Title:

Country of registration: CA

Application no.: PCT/FI01/00165

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER Title:

Country of registration: .IP

Application no.: 2001-48917

Patent no.:

Countries applicable: ETSI Deliverable:

TSS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: US

Application no.: PCT/FI00/00620

Patent no.: Countries applicable:

ETSI Deliverable:

TS25.211

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA Title:

DURING CERTAIN HANDOVERS

Country of registration: Application no.:

Patent no.:

99958201.8

Countries applicable:

ETSI Deliverable:

TS 25.303, TS 25.322 Notes:

EPO

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title:

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA

DURING CERTAIN HANDOVERS FΙ

Country of registration: Application no.:

982531 Patent no.: 107864

Countries applicable:

ETSI Deliverable:

TS 25.303. TS 25.322

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA Title:

DURING CERTAIN HANDOVERS

Country of registration:

Application no.:

2000-584714

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.303, TS 25.322

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA

DURING CERTAIN HANDOVERS Country of registration: US

Application no.:

Patent no.:

09/443262

Countries applicable:

ETSI Deliverable:

TS 25.303. TS 25.322

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

PCT

Title:

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA

DURING CERTAIN HANDOVERS

Country of registration:

Application no.: Patent no.:

PCT/FI99/00964

Countries applicable:

ETSI Deliverable:

TS 25.303, TS 25.322

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration:

Application no.: Patent no.:

19991834 107674

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 23.107

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration: Application no.:

Patent no.:

09/649770

US

Countries applicable:

ETSI Deliverable: Notes:

TS 23.060, TS 23.107 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration:

Application no.:

PCT PCT/FI00/00731

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060, TS 23.107

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration:

CN

Application no.:

PCT/FI00/00620

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS25,211

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration:

Application no.: PCT/FI00/00620

Patent no.:

Countries applicable:

ETSI Deliverable: TS25.211

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS Title:

Country of registration: Application no.:

FI 991589

Patent no.:

Countries applicable:

ETSI Deliverable: TS25,211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ADVANCED N-PDU NUMBERING IN PDCP LAYER Title:

Country of registration: **PCT**

Application no.: PCT/FI01/00129

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.323

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS Title:

Country of registration:

Application no.:

PCT/FI00/00620

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ADVANCED N-PDU NUMBERING IN PDCP LAYER Title: US

Country of registration: Application no.:

09/779979

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.323

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: PCT

Application no.: PCT/FI00/00620

Patent no.:

Countries applicable:

ETSI Deliverable: TS25.211

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSFER OF XID PARAMETERS DURING HANDOVER Title:

Country of registration: US

Application no.: 09/716629, 60/167924

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331, TS 23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TRANSFER OF XID PARAMETERS DURING HANDOVER Title:

Country of registration: **PCT**

Application no.: PCT/IB00/01709

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331, TS 23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD Title:

Country of registration:

Application no.: 19992561

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD Title: JΡ

2000-361468

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.222

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD

Country of registration:

Application no.: US09/726079

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.222 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD Title:

Country of registration: PCT PCT/FI00/01037

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Nokia Corporation **UMTS**

20000043

FΙ

TS 25.222

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.215 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

TS 25.215

2001-2770

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title: US

09/757917

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.215 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING

Country of registration: PCT

Application no.: PCT/FI01/00016

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.215

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TEMPORARY INDENTITY CODING Title:

Country of registration: FI Application no.: 982166 Patent no.: 106288 Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration:

Application no.: PCT/FI00/00620

Patent no.: Countries applicable:

ETSI Deliverable:

TS25,211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: PACKET RADIO TELEPHONE SERVICES

Country of registration: FΙ Application no.: 974290

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

Title: INTERWORKING BETWEEN RADIO ACCESS NETWORKS

Country of registration: CA Application no.: 2359471 Patent no.:

Countries applicable: CA

3GPP TS 23.009 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

SERVICES ON DEMAND IN MOBILE COMMUNICATIONS SYSTEM Title:

Country of registration: CN Application no.: 99805223.X

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 22.146 3GPP TS 23.846

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: SERVICES ON DEMAND IN MOBILE COMMUNICATIONS SYSTEM

Country of registration: EPO Application no.: 99911827.6 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 22.146 3GPP TS 23.846

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

SERVICES ON DEMAND IN MOBILE COMMUNICATIONS SYSTEM Title:

Country of registration: JΡ

Application no.: 2000-542936

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 22.146 3GPP TS 23.846

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

SERVICES ON DEMAND IN MOBILE COMMUNICATIONS SYSTEM Title:

Country of registration: FΙ Application no.: 980651 Patent no.: FI 107859 Countries applicable: FΙ

ETSI Deliverable: 3GPP TS 22.146 3GPP TS 23.846

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: FPO Application no.: 99927811.2 Patent no.:

Countries applicable: FPO

ETSI Deliverable: 3GPP TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Management of packet switched connections in a communication network

Country of registration: CA Application no.: 2301674

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.121, TS 23.060, TS 25.413, TS 24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: Application no.:

BR PI9917334-4

Patent no.:

Countries applicable: ETSI Deliverable:

3GPP TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: TRANSMISSION AND INTERCONNECTION METHOD

Country of registration: CN

Application no.: 999816695.2

Patent no.:

Countries applicable:

3GPP TS 23.002 ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration:

Application no.: 2001-500582

Patent no.:

JΡ

Countries applicable:

ETSI Deliverable: 3GPP TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: KR

Application no.: 7015377/2001

Patent no.:

Countries applicable: KR

3GPP TS 23.002 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSMISSION AND INTERCONNECTION METHOD Title:

Country of registration: US 09/997200 Application no.:

Patent no.: Countries applicable:

US

ETSI Deliverable: 3GPP TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: TRANSMISSION AND INTERCONNECTION METHOD

Country of registration: CA Application no.: 2374847

Patent no.:

Countries applicable: CA

ETSI Deliverable: 3GPP TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS** Speech coding Title:

Country of registration: US Application no.: 09/073697 Patent no.: 6199035

Countries applicable: **ETSI Deliverable:**

TS 26.190, 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL

Country of registration: FPO Application no.: 00931178.8 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SPEECH CODING

Country of registration:

ΗK Application no.: 01105589.5

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.173, 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: A METHOD TO INDICATE CALL RELEASE TO THE PS DOMAIN

Country of registration: **PCT**

Application no.: PCT/EP00/09885

Patent no.:

Countries applicable: PCT

ETSI Deliverable: 3GPP TS 29.207 3GPP TS 29.208 3GPP TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title:

Country of registration: 2002-7010678

Application no.:

Patent no.: Countries applicable:

KR

ETSI Deliverable:

3GPP TS 22.016

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title:

Country of registration: ZΑ Application no.: 2002-6321

Patent no.:

Countries applicable: ZA

ETSI Deliverable:

3GPP TS 22.016

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

Title:

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI SG

Country of registration: Application no.:

Patent no.:

200204830-4

Countries applicable:

SG

ETSI Deliverable: 3GPP TS 22.016

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: PACKET RADIO TELEPHONE SERVICES

Country of registration: JP

Application no.: 2000-520596 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL Title:

Country of registration: Application no.:

GB 9912846.4

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

PACKET RADIO TELEPHONE SERVICES Title:

Country of registration: FPO Application no.: 98947586.8 Patent no.:

Countries applicable:

FPO

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **UMTS**

HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL Title:

Country of registration: CN 00809632.5 Application no.: Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

CA

Project: **UMTS**

HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL Title:

Country of registration:

Application no.: PCT/EP00/04230

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL Title:

Country of registration: BR

Application no.: PI0011099-0

Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL

Country of registration: US Application no.: 09/980377 Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title: PACKET RADIO TELEPHONE SERVICES

Country of registration: Application no.:

US 09/189590

99-7009481

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.224 3GPP TS 25.221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS** Speech coding Title: Country of registration: KR

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL Title:

Country of registration:

Application no.: 7015506/2001

Patent no.:

KR

Countries applicable:

ETSI Deliverable: 3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD Title:

Country of registration: FΙ

Application no.: 20000069 Patent no.: 109568 Countries applicable: FΙ

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM Title:

OF DATA FRAMES

Country of registration: FR Application no.: 9804479 Patent no.: 9804479

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration:

GB Application no.: 9807608.6 2329803 Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: IN

Application no.: 759/MAS/98

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

IΤ

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration:

Application no.: MI98A000766 1299063 Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES JP

10-098937

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45,003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: US

Application no.:

09/057680, 09/73028

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: PCT

PCT/FI98/00237 Application no.:

Patent no.:

Countries applicable: AU, CH, ES, KR **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: PCT

Application no.: PCT/EP97/02400

Patent no.: Countries applicable:

ETSI Deliverable:

TS 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: POWER BALANCING BETWEEN DOWNLINK DHO BRANCHES IN A CDMA SYSTEM

Country of registration: Application no.:

09/647587

US

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.214, TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: **IP-M CONTEXT FOR GPRS**

Country of registration: **EPO** Application no.: 99915694.6

Patent no.:

EPO Countries applicable:

ETSI Deliverable:

3GPP TS 29.061

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: JP. Application no.: 2001-552677

Patent no.:

Countries applicable: JP

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **UMTS**

Title: COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: **7**A Application no.: 2002/4798

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.224 3GPP TS 25.221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: **PCT** Application no.:

PCT/FI01/00023

Patent no.: Countries applicable:

PCT

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SERVICES ON DEMAND IN MOBILE COMMUNICATIONS SYSTEM

Country of registration: US Application no.: 09/668315

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 22.146 3GPP TS 23.846

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

SUPPORT OF DUAL SERVICES AND CALL HOLD AFTER UMTS TO GSM HANDOVER Title:

Country of registration: Application no.:

GB 0104281.1

Patent no.:

Countries applicable:

GB **ETSI Deliverable:** 3GPP TS 29.002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS** Title: Speech coding JP

Country of registration:

Application no.: 113808/1998

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Speech coding

Country of registration: 876/MAS/98

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Speech coding

Country of registration: FΙ Application no.: 980502

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS Title: Speech coding Country of registration: EPO Application no.: 98104785.5

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90

CN

98804901.5

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** Title: Speech coding

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190, 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD US

Country of registration: Application no.:

09/759776 Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SUPPORT OF DUAL SERVICES AND CALL HOLD AFTER UMTS TO GSM HANDOVER

Country of registration: PCT

PCT/IB02/01398 Application no.:

Patent no.:

PCT

Countries applicable:

ETSI Deliverable: 3GPP TS 29.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: KR

Application no.: 2002-7008990

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title:

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration:

Application no.:

SG

200203579-8

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: BR

Application no.: PI0107580-2

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.224 3GPP TS 25.221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

UMTS

Title:

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Country of registration: Application no.:

PCT/FI01/00023

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.224 3GPP TS 25.221

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD Title:

Country of registration: CN

Application no.: 01803652.X

Patent no.:

CN

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.224 3GPP TS 25.221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: Title:

UMTS

Country of registration:

COMBINED CELL MEASUREMENT REFERENCE AND PAGING INDICATOR INUTRA TDD

Application no.:

EPO 01901235.0

Patent no.:

FPO

Countries applicable: ETSI Deliverable:

3GPP TS 25.224 3GPP TS 25.221

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: Title:

UMTS

Country of registration:

INTERWORKING BETWEEN RADIO ACCESS NETWORKS

Application no.:

CN

99815871.2

Patent no.:

Countries applicable: CN

ETSI Deliverable:

3GPP TS 23.009

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS** Title:

Speech coding Country of registration: ΑU Application no.: 64032/98

Patent no.: Countries applicable:

ETSI Deliverable:

TS26.190, 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM

Country of registration: KR

Application no.: PCT/FI01/00450

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation UMTS

Project: Title:

INTERWORKING BETWEEN RADIO ACCESS NETWORKS

Country of registration:

Application no.:

KR 7009290/2001

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 23.009

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: **UMTS**

Title:

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS IS ACTIVE TO MORE THAN ONE CN DOMAIN

EPO

Country of registration: Application no.:

99956041.0 Patent no.:

Countries applicable:

EPO

ETSI Deliverable:

3GPP TS 25.413 3GPP TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: Title:

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS

IS ACTIVE TO MORE THAN ONE CN DOMAIN FΙ

Country of registration: Application no.:

982418 107311

Countries applicable:

FΙ

ETSI Deliverable:

3GPP TS 25.413 3GPP TS 25.331

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

UMTS

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS Title:

IS ACTIVE TO MORE THAN ONE CN DOMAIN CN

Country of registration:

Application no.: 99812869.4

Patent no.:

Countries applicable: CN

ETSI Deliverable:

3GPP TS 25.413 3GPP TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

UMTS

Title:

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS

IS ACTIVE TO MORE THAN ONE CN DOMAIN

Country of registration: Application no.:

US 09/830781

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 25.413 3GPP TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS Title:

IS ACTIVE TO MORE THAN ONE CN DOMAIN

Country of registration: CA Application no.: 2348456 Patent no.:

Countries applicable: CA

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INDICATING IU SIGNALING BEARER TO THE RELEASE TO THE MOBILE STATION (MS) WHEN MS Title:

IS ACTIVE TO MORE THAN ONE CN DOMAIN

JΡ Country of registration:

Application no.: 2000-581823

Patent no.:

Countries applicable: JΡ

3GPP TS 25.413 3GPP TS 25.331 ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **UMTS**

Title: METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM

Country of registration: CA

Application no.: PCT/FI01/00450

Patent no.: Countries applicable:

CA

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: AU Application no.: 60351/01 Patent no.:

Countries applicable: ΑU

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: CN

Application no.: PCT/FI01/00450

Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: Application no.: 20001142

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM

Country of registration: IN

Application no.: PCT/FI01/00450

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: MX

Application no.: Patent no.:

PA/A/2002/011087

Countries applicable:

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMFORT NOISE GENERATION SYSTEM UTILIZING STATIONARITY INFORMATION OF Title:

BACKGROUND NOISE

Country of registration: US

Application no.: 60/253170

Patent no.:

US

Countries applicable: **ETSI Deliverable:**

3GPP TS 26.192

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INTER-SYSTEM HANDOVER

Country of registration: JP.

Application no.: 2001-525995

Patent no.:

Countries applicable: JP

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Management of packet switched connections in a communication network **EPO**

Country of registration: Application no.:

99932900.6 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.121, TS 23.060, TS 25.413, TS 24.008

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Management of packet switched connections in a communication network

Country of registration: Application no.: 981485 Patent no.: 106512

Countries applicable:

ETSI Deliverable: TS 23.121, TS 23.060, TS 25.413, TS 24.008

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: Management of packet switched connections in a communication network

Country of registration:

Application no.: 2000-557636

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.121, TS 23.060, TS 25.413, TS 24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SIGNALLING THE POWER OFFSET FOR ACK IN HSDPA (TRANSMISSION IN A COMMUNICATIONS Title:

> SYSTEM) GB

GB

Country of registration: Application no.:

0107746.0 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SIGNALLING THE POWER OFFSET FOR ACK IN HSDPA (TRANSMISSION IN A COMMUNICATIONS

SYSTEM) Country of registration: **PCT**

Application no.: PCT/IB02/02035 Patent no.:

Countries applicable: PCT

3GPP TS 25.214 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: US

PCT/FI01/00450 Application no.:

Patent no.:

Countries applicable: US **ETSI Deliverable:**

3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INTER-SYSTEM HANDOVER

Country of registration: US Application no.: 09/406209

Patent no.: Countries applicable:

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

METHOD FOR POWER PRE-EGUALIZATION IN TDD SYSTEM Title:

Country of registration: PCT

Application no.: PCT/FI01/00450

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: **INTER-SYSTEM HANDOVER**

Country of registration: CN

Application no.: 00814585.7

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

INTER-SYSTEM HANDOVER Title:

Country of registration: CA

Application no.: PCT/IB00/01271

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.413 3GPP TS 25.331 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project:

Management of packet switched connections in a communication network Title:

Country of registration: US Application no.: 09/510893

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.121, TS 23.060, TS 25.413, TS 24.008

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

INTER-SYSTEM HANDOVER Title:

Country of registration:

Application no.: BR PI0014248-4

Patent no.:

BR

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.413 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INTER-SYSTEM HANDOVER Title:

Country of registration: KR

Application no.: 7003880/2002

Patent no.:

Countries applicable: KR

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

COMFORT NOISE GENERATION SYSTEM UTILIZING STATIONARITY INFORMATION OF Title:

BACKGROUND NOISE

Country of registration: PCT Application no.:

Patent no.:

PCT/IB01/02235

Countries applicable:

PCT

3GPP TS 26.192 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: **INTER-SYSTEM HANDOVER**

Country of registration: **EPO** Application no.: 00954846.2 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.413 3GPP TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: EPO Application no.: 99945702.1

Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INTERWORKING BETWEEN RADIO ACCESS NETWORKS Title:

Country of registration: BR

Application no.: PI9916942-8

Patent no.:

Countries applicable: **BR**

ETSI Deliverable:

3GPP TS 23.009

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INTERWORKING BETWEEN RADIO ACCESS NETWORKS Title:

Country of registration:

US

US

Application no.: Patent no.:

PCT/EP99/00452

Countries applicable:

ETSI Deliverable: 3GPP TS 23.009

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INTERWORKING BETWEEN RADIO ACCESS NETWORKS

Country of registration: **PCT**

Application no.: PCT/EP99/00452

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable: 3GPP TS 23.009

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INTERWORKING BETWEEN RADIO ACCESS NETWORKS Title:

Country of registration: **EPO** Application no.: 99906200.3 Patent no.:

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 23.009

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: INTERWORKING BETWEEN RADIO ACCESS NETWORKS

Country of registration: JP

Application no.: 2000-595508

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 23.009

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

CONGESTION CONTROL ON IUR Title:

Country of registration: PCT

Application no.: PCT/IB02/01278

Patent no.:

PCT

Countries applicable:

ETSI Deliverable: 3GPP TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

CONGESTION CONTROL ON IUR Title:

Country of registration: US Application no.: 09/859671

Patent no.:

Countries applicable: US

ETSI Deliverable:

3GPP TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

A METHOD TO INDICATE TO A 3GPP UE THAT IT MUST REGISTER TO THE NETWORK Title: PCT

Country of registration: Application no.:

PCT/EP01/05272

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable: 3GPP TS 24.229

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: MULTIMEDIA MESSAGING CENTER, CAPABILITIES USER PROFILE MANAGEMENT

Country of registration: US Application no.:

09/971909

Patent no.:

US

Countries applicable: ETSI Deliverable:

3GPP TS 23.140

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

MULTIMEDIA MESSAGING CENTER, CAPABILITIES USER PROFILE MANAGEMENT Title:

Country of registration: JP

Application no.: 2000613127

Patent no.: Countries applicable:

JΡ

ETSI Deliverable: 3GPP TS 23.140 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title: MULTIMEDIA MESSAGING CENTER, CAPABILITIES USER PROFILE MANAGEMENT

Country of registration: FPO Application no.: 99923456.0 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

MULTIMEDIA MESSAGING CENTER, CAPABILITIES USER PROFILE MANAGEMENT Title:

Country of registration: CN

Application no.: 99816578.6

Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: JΡ

Application no.: 2000-544146

Patent no.:

Countries applicable: JΡ

ETSI Deliverable:

3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMFORT NOISE GENERATION SYSTEM UTILIZING STATIONARITY INFORMATION OF Title:

BACKGROUND NOISE US

Country of registration:

Application no.: 09/970091

Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 26.192

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INCORPORATING STREAMING WITH MMS

Country of registration: PCT

Application no.: PCT/FI01/00686

Patent no.:

Countries applicable: PCT

ETSI Deliverable: 3GPP TS 23.140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

UMTS Project:

Title: INCORPORATING STREAMING WITH MMS

Country of registration:

JΡ Application no.: 2002-515799

Patent no.: Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: INCORPORATING STREAMING WITH MMS

Country of registration: KR

Application no.: 2002-7004252

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 23.140

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

INCORPORATING STREAMING WITH MMS Title:

Country of registration: Application no.:

US 09/920910

Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP TS 23.140

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INCORPORATING STREAMING WITH MMS Title:

Country of registration: **7**A Application no.: 2002/3010

Patent no.:

Countries applicable: ZA

ETSI Deliverable:

3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INCORPORATING STREAMING WITH MMS Title:

Country of registration: CN Application no.: 01802935.3

Patent no.: Countries applicable: CN

ETSI Deliverable: 3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: FΙ Application no.: 980724 Patent no.: 106602

Countries applicable: FΙ

ETSI Deliverable: 3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

INCORPORATING STREAMING WITH MMS Title:

Country of registration: ΑU Application no.: 79851/01 Patent no.:

Countries applicable: ΑU

ETSI Deliverable: 3GPP TS 23.140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME

Country of registration: ΑU Application no.: 59468/99 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title: INCORPORATING STREAMING WITH MMS

Country of registration: Application no.:

20001741

Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP TS 23.140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: NO Application no.: 20004893 Patent no.:

Countries applicable:

NO

3GPP TS 25.305 3GPP TS 22.071 GSM 03.71 **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: CN Application no.: 99804679.5 Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: US Application no.: 10/200930

Patent no.:

Countries applicable: US

ETSI Deliverable:

3GPP TS 25.305 3GPP TS 22.071 GSM 03.71 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRACKING OF REAL TIME AND OBSERVED TIME DIFFERENCE VALUES IN TIME Title:

Country of registration: US Application no.: 09/677114 6456237 Patent no.: Countries applicable: US

ETSI Deliverable: 3GPP TS 25.305 3GPP TS 22.071 GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

UMTS

Title:

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: Application no.:

CN 98106901

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS INCORPORATING STREAMING WITH MMS

Country of registration:

BR

Application no.:

PI0107066-5

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 23.140

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

UMTS CONTROLLED DATA NETWORK ERROR RECOVERY

Title: Country of registration:

US

Application no.:

09/903863

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM OF DATA FRAMES

FΙ

Application no.:

Patent no.:

971484

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: PCT

Application no.: PCT/FI01/00222

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: **UMTS**

Project:

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title: US

Country of registration: Application no.:

09/797115

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title:

FΙ Country of registration:

Application no.:

20000524

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

PCT/FI99/00112

Project: SPEECH CODING Title:

Country of registration: PCT

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

SPEECH CODING US

Country of registration:

Application no.:

09/263439

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: SPEECH CODING

Country of registration: KR

Application no.: 2000-7008992

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SPEECH CODING Title: .IP

2000-536069

PCT/FI99/00112

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SPEECH CODING Title: IN

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.173, 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: SPEECH CODING Country of registration:

980532

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Management of packet switched connections in a communication network CN

Country of registration:

Application no.:

Patent no.:

Countries applicable:

TS 23.121, TS 23.060, TS 25.413, TS 24.008 **ETSI Deliverable:**

99801026.X

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: SPEECH CODING

Country of registration:

CN Application no.: 99803763.X

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: EPΩ Application no.: 93917815.3 Patent no.: 611502

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title: BR

Country of registration:

Application no.: PCT/FI00/00036

Patent no.: Countries applicable:

ETSI Deliverable:

TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

GPRS LCS GENERAL ARCHITECTURE Title:

TS23.271

Country of registration: CN Application no.: 99812676.4

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

GPRS LCS GENERAL ARCHITECTURE Title: **EPO**

Country of registration: Application no.:

99954027.1

Patent no.: Countries applicable:

ETSI Deliverable: TS23.271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: FΙ Application no.: 982331

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.271

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

GPRS LCS GENERAL ARCHITECTURE Title:

JΡ Country of registration:

Application no.: 2000-579018

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23,271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

US

09/830816

Project: **UMTS**

Title:

GPRS LCS GENERAL ARCHITECTURE

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS23.271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: SPEECH CODING

Country of registration: BR

Application no.:

Patent no.:

PI9907665-9

22965/00

Countries applicable:

ETSI Deliverable:

TS 26.173, 26.190

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title: ΑIJ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: PCT

Application no.: PCT/FI00/00036

Patent no.: Countries applicable:

ETSI Deliverable:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: CA

PCT/FI00/00036 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

PCT/FI00/00036

CN

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

CONTROLLED DATA NETWORK ERROR RECOVERY Title: **EPO**

00901634.6

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title: FΙ

Country of registration: Application no.:

Patent no.:

990102

Countries applicable:

ETSI Deliverable:

TS 32.015 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: JP

Application no.: 2000-595452

Patent no.: Countries applicable:

ETSI Deliverable:

TS 32.015

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: FΙ Application no.: 923669 Patent no.: 91701

Countries applicable:

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: **PCT**

Application no.: PCT/FI99/00894

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.271

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration: CN

Application no.: 99800362.X

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25.212 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: AU Application no.: 43868/97 Patent no.: 723472

Countries applicable:

ETSI Deliverable: TR 22.925, TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: SIGNAL CODING Country of registration: PCT Application no.: PCT/FI99/00133 WO99/44294

Patent no.: Countries applicable:

TS 45.003

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SIGNAL CODING Title:

Country of registration: Application no.: Patent no.:

US 09/255894

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** SIGNAL CODING Title: JP

Country of registration: Application no.: 2000533945 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SIGNAL CODING Title:

Country of registration:

Application no.: Patent no.:

PCT/2000/00421/CHE

Countries applicable:

ETSI Deliverable:

TS 45.003 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SIGNAL CODING Title:

Country of registration: FΙ Application no.: 980431 Patent no.: 107665 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: SIGNAL CODING

Country of registration: FPO Application no.: 99904895.2 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SIGNAL CODING Title: CN

Country of registration: Application no.:

99803189.5

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** SIGNAL CODING Title:

Country of registration: ΑU Application no.: 25240/99

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration:

Application no.:

Patent no.:

PCT/FI99/00224

Countries applicable:

ETSI Deliverable: Notes:

TS25.212 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration:

Application no.:

Patent no.:

US 09/628868

Countries applicable:

ETSI Deliverable: TS25,212 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: NO Application no.: 19995709

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

JΡ Country of registration: Application no.: 11-550090

Patent no.:

Countries applicable:

ETSI Deliverable:

TS25,212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: ΑU Application no.: 76588/94 Patent no.: 665454

Countries applicable:

ETSI Deliverable:

TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: Application no.: 934629 Patent no.: 97932 Countries applicable:

ETSI Deliverable:

TS23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: JΡ Application no.: Patent no.:

6-505939

Countries applicable:

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: NO Application no.: 941330 Patent no.: 306970

Countries applicable:

ETSI Deliverable:

TS 25.331, TS 25.321, TS 25.211

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: US Application no.: 08/211739

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA Title:

Country of registration: **PCT**

Application no.: PCT/FI93/00321 WO9405095 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: Application no.: 78574/94 684842 Patent no.: Countries applicable:

ETSI Deliverable:

TS23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration: FΙ Application no.: 980650 Patent no.: 107201 Countries applicable:

ETSI Deliverable: TS25,212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: Application no.: 94929571.1

Patent no.: Countries applicable: **ETSI Deliverable:** TS23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration: FPO Application no.: 99911826.8

Patent no.:

Countries applicable: ETSI Deliverable:

TS25,212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA JP

Country of registration: Application no.:

7-511375 Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.121

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: US Application no.: 08/632400 Patent no.: 5832381 Countries applicable:

ETSI Deliverable: TS23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: PCT

Application no.:

Patent no.:

PCT/FI94/00469

Countries applicable:

ETSI Deliverable:

TS23.121

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: IS-95 POWER CONTROL FOR HSD

Country of registration:

Application no.: 08/676043CIP Patent no.: 5991627 Countries applicable:

ETSI Deliverable:

TS 25.211

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

ΑU Country of registration: Application no.:

30368/99

Patent no.: Countries applicable:

ETSI Deliverable:

TS25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** SMS IN GPRS Title: Country of registration: US Application no.: 09/194652

Patent no.:

Countries applicable: **ETSI Deliverable:**

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: CN

Application no.:

Patent no.:

94193864.6

Countries applicable:

ETSI Deliverable:

TS23.121

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation **UMTS**

Project: Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

JΡ

11-247569

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

TS 45.003, TS06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project:

Title: COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI

Country of registration: CN Application no.: 01805183.9

Patent no.:

Countries applicable:

3GPP TS 22.016 ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title: COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI

Country of registration:

Application no.:

PCT/US01/40141

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 22.016

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title:

Country of registration: BR

Application no.: PI0108270-1

Patent no.:

Countries applicable: BR

3GPP TS 22.016 **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title:

Country of registration: JP

2001-560153 Application no.:

Patent no.: Countries applicable: .IP

ETSI Deliverable: 3GPP TS 22.016

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRIGERRING RE-REGISTRATION OF IMS SUBSCRIBERS Title:

Country of registration: GB Application no.: 0111290.3

Patent no.:

Countries applicable: GB

ETSI Deliverable: 3GPP TS 22.229

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

TRIGERRING RE-REGISTRATION OF IMS SUBSCRIBERS Title:

Country of registration: **PCT**

Application no.: PCT/IB02/02696

Patent no.: Countries applicable:

PCT

ETSI Deliverable: 3GPP TS 22.229

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL

Country of registration: JP

Application no.: 502244/2001

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

PCT

Project: Title:

UMTS HANDLING OF THE TRANSMISSION POWER IN WCDMA FORWARD ACCESS CHANNEL

Country of registration:

Application no.:

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable:

3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation Project: **UMTS**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

BR

PCT/EP00/04230

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

TS 45.003, TS06.93

PI9912994-9

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: Patent no.:

99810506.6

UMTS

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

CN

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.:

DF

19941331.2

Patent no:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.: 981869 Patent no.: 105635

Countries applicable:

ETSI Deliverable: TS 45.003, TS06.93

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

FR 9910952

Patent no.:

Countries applicable:

TS 45.003, TS06.93

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SMS IN GPRS Title:

Country of registration: ZΑ 98/2684 Application no.: Patent no.: 98/2684

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

POWER CONTROL CIRCUIT FOR A RADIO TELEPHONE Title:

Country of registration: US Application no.: 471267 5564074 Patent no.: Countries applicable: US

ETSI Deliverable: 3GPP TS 25.331 3GPP TS 25.224

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration:

CN 97198217.1

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TR 22.925, TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: **CPCH CHANNEL ASSIGNMENT METHOD**

Country of registration: PCT

Application no.: PCT/IB01/00248

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

CPCH CHANNEL ASSIGNMENT METHOD Title:

Country of registration: US 09/790485

Application no.: Patent no.:

Countries applicable:

TS 25.214 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

IP-M CONTEXT FOR GPRS Title:

Country of registration: US Application no.: 09/954370

Patent no.:

Countries applicable:

US

3GPP TS 29.061 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

IP-M CONTEXT FOR GPRS Title: PCT

PCT

Country of registration:

Application no.:

PCT/EP99/01969 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 29.061

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES GB

Application no.:

Country of registration: 9920153.5

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

POWER CONTROL CIRCUIT FOR A RADIO TELEPHONE Title:

Country of registration: **EPO** Application no.: 94300623.9

Patent no.: Countries applicable:

EPO 3GPP TS 25.331 3GPP TS 25.224 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project: Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: Patent no.:

MI99A001858

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

POWER CONTROL CIRCUIT FOR A RADIO TELEPHONE

Country of registration: Application no.: Patent no.:

930515 96554

UMTS

FΙ

Countries applicable: ETSI Deliverable:

FI 3GPP TS 25.331 3GPP TS 25.224

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: Title: UMTS

Country of registration:

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION AR

Application no.:

970105360

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}.$

Company name:

Nokia Corporation

Project: Title: UMTS

111101

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES PCT

Country of registration:

Application no.: Patent no.: PCT/FI99/00706 WO 00/13448

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

US 09/387369

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: KR

Application no.: 2001-7002028

Patent no.: Countries applicable:

ETSI Deliverable:

TS 45.003, TS06.93

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: CID FIELD HANDLING IN ROHC

Country of registration: PCT PCT/FI01/00819

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: POWER CONTROL CIRCUIT FOR A RADIO TELEPHONE

Country of registration: .IP Application no.: 6-13431 Patent no.: Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 25.331 3GPP TS 25.224

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SMS IN GPRS IN

Country of registration:

Patent no.:

Application no.: 708/MAS/98

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title: Country of registration: FPO

Application no.: 01920995.6 Patent no.: Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 22.016

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration:

Application no.: Patent no.:

08/983318, CPA08/983318

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: PCT

Application no.: PCT/FI97/00298

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

CA

Project: **UMTS**

SMS IN GPRS Title:

Country of registration: Application no.: Patent no.:

2257189

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Nokia Corporation

I-57073

03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **UMTS** SMS IN GPRS Title: Country of registration: CN Application no.: 98800595.6

Patent no.:

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: UMTS

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title: PΗ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

03.81, TS09.02 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SMS IN GPRS Title:

Country of registration: FΙ Application no.: 971381 Patent no.: 105873

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: Application no.: 9-541667

Patent no.:

Countries applicable:

ETSI Deliverable:

03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMS IN GPRS Title: JΡ

Country of registration: Application no.: Patent no.:

10-541201

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** SMS IN GPRS Title: Country of registration: MY Application no.: PI9801435

Patent no.: Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS SMS IN GPRS Title:

Country of registration: SG Application no.: 9806032-0 Patent no.: 60753

Countries applicable:

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS** SMS IN GPRS Title: Country of registration: TH

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

038940

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS Title: SMS IN GPRS

Country of registration: TW Application no.: 86110727 Patent no.: 098463

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM Title:

OF DATA FRAMES

Country of registration:

Application no.: Patent no.:

19815597.2

DF

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMS IN GPRS Title:

Country of registration: FPO Application no.:

98912536.4

Patent no.:

Countries applicable: HK

ETSI Deliverable:

TS23.060, TS23.040, TS03.60, 03.40, TS29.002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.: 09/965303, 09/371332, 031047; 031321

Patent no.: 5960389

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: SMS IN GPRS

Country of registration:

PCT

Application no.:

PCT/FI98/00294

Patent no:

Countries applicable:

ETSI Deliverable: TS23.060, TS23.040, TS03.60, 03.40, TS29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration: US

Application no.: PCT/FI00/00796

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: Application no.:

Patent no.:

54251/99

ΑU

Countries applicable:

ETSI Deliverable: TS 45.003, TS06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: **BR**

Application no.: PI9705747.9

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192

CN

97126203.9

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: TH 037900

Application no.:

Patent no:

Countries applicable:

ETSI Deliverable:

03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: JP Application no.: 9-313957

Patent no.: Countries applicable:

ETSI Deliverable: TS 26.193, TS26.192

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

COMPATIBLE EXTENDED METHOD TO EXECUTE CHECK NUMBER CALCULATION OF IMEI Title:

Country of registration: US Application no.:

09/783917

Patent no.:

Countries applicable: US

3GPP TS 22.016 ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **UMTS**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: ΑU Application no.: 29001/97 Patent no.: 718787

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: Application no.: Patent no.:

2227061

CA

Countries applicable:

ETSI Deliverable:

03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: CN Application no.: 97190580.0

Patent no.:

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: FPO Application no.: 97923109.9

Patent no.: Countries applicable:

ETSI Deliverable:

03.81, TS09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: FI Application no.: 962128 Patent no.: 103170

Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA IN

Country of registration: Application no.:

1263/MAS/97

Patent no.: Countries applicable:

ETSI Deliverable: 03.81, TS09.02

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title: **EPO**

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 26.193, TS26.192

97309213.3

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Depth-first algebraic-codebook search for fast coding of speech SF

Country of registration: Application no.:

9600918-8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: HK
Application no.: 98100818.3
Patent no.: 1001846

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

IN

422CAL96

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

TO96A000174

01285305

Project: UMTS

Depth-first algebraic-codebook search for fast coding of speech IT

Country of registration:

Application no.:
Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: JP 527130/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech KR

Country of registration: Application no.:

Patent no.:

97-706298

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ΜX Application no.: 97/06885

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

IΤ

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

97116484

UD96A000012

Project: **UMTS**

Title: Depth-first algebraic-codebook search for fast coding of speech RU

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ES Application no.: 9650035 Patent no.: 9650035

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

US Application no.: 383968, 509525 Patent no.: 5701392

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.: 96/1913 Patent no.: 96/1913

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

ΑU Country of registration: Application no.: 52633/96 Patent no.: 697256

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

9604838.7

2216315

96193827.7

Project: **UMTS**

Predictive split-matriz quantization of spectral parameters for efficient coding of speech Title: Country of registration: BR

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech CA

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech CN

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: Application no.: 96908945.7

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Depth-first algebraic-codebook search for fast coding of speech MY

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

AR

P960101681

PI9600844

Project: **UMTS**

Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

99911842.5

Project: UMTS

Title: Power balancing between downlink DHO branches in a CDMA system **EPO**

Country of registration: Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech KR

Title: Country of registration: Application no.:

705372

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Application no.:

ΜX 975997

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

MY PI9600300

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech NO

Application no.:

973472

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech RŪ

Application no.:

97114804

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

SF 9600437-9

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.: 9605123.0 Patent no.: 2299001

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: **7**A Application no.: 96/0852 Patent no.: 96/0852

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: FR Application no.: 9602957

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ΑÚ Application no.: 47811/96

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech BR

Country of registration:

Application no.: PI9607144.3

Patent no.:

Notes:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: CA Application no.: 2213740

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CN

Project: **UMTS**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.: 96193196.5

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

19609170.5

Project: **UMTS**

> Depth-first algebraic-codebook search for fast coding of speech DF

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: **EPO** Application no.: 96903854.6 Patent no.: 0813736

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration: ΑIJ Application no.: 62309/96 Patent no.: 714752

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

Application no.: 383968, 508801 Patent no.: 5754976

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration:

Application no.: Patent no.:

99805568.9

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 2302, TS 25.331

CN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: .IP

Application no.: 08-529817

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: BR

Application no.: PI008883-8

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

USING PERIODIC ACKNOWLEDGEMENTS AND ADAPTIVE CODING FOR MAINTAINING Title:

SYNCHRONISATION IN ERROR AND LOSS-PRONE ENVIRONMENTS

Country of registration: **PCT**

Application no.: Patent no.:

PCT/US00/28326

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: USING PERIODIC ACKNOWLEDGEMENTS AND ADAPTIVE CODING FOR MAINTAINING

SYNCHRONISATION IN ERROR AND LOSS-PRONE ENVIRONMENTS

Country of registration: US

Application no.:

09/536639, 60/159360

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: ROBUST AND EFFICIENT COMPRESSION OF LIST OF ITEMS

Country of registration: PCT

PCT/US01/50525 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: ROBUST AND EFFICIENT COMPRESSION OF LIST OF ITEMS US

Country of registration:

Application no.: 09/756232, 60/211986

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION Title:

Country of registration: PCT

Application no.:

Patent no.:

PCT/FI01/00902

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE Title:

Country of registration: US Application no.: 10/019745

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration: **PCT**

Application no.: PCT/FI00/00796

Patent no.:

Countries applicable:

TS 25.331

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE Title:

Country of registration: JP

Application no.: 2001-508184

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331 TS 24.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: FPO

Application no.: 99303192.1

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.211, TS 2302, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: FΙ Application no.: 980923 Patent no.: 107365

Countries applicable:

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration:

Application no.: 546494/2000

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

.IP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

Title: METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN

TELECOMMUNICATION CONNECTIONS US

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 2302, TS 25.331

09/296814

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: PCT

Application no.: PCT/FI99/00340

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.211, TS 2302, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: ΑU 28886/95 Application no.: Patent no.: 694788

Countries applicable:

ETSI Deliverable: TR 25 832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration:

Application no.: 95190748.4 Patent no.: 95190748.4 Countries applicable:

ETSI Deliverable:

TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS Title:

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: US Application no.: 08/619701 Patent no.: 5722074

Countries applicable:

ETSI Deliverable: TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INTELLIGENT INTERNET ROUTER

Country of registration: CA

Application no.: PCT/EP00/03478

Patent no.: Countries applicable:

ETSI Deliverable: TS 23,060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Title:

Country of registration:

Application no.: 198CAL96 Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: KR

Application no.: 7011440/2001

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

RNTI ALLOCATION AND SIGNALLING METHODS Title: JΡ

Country of registration:

Application no.: 2000-604622

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: Application no.: 990527

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: EPO Application no.: 00910895.2

Patent no.:

Countries applicable:

TS 25.331 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: CN

Application no.: 00804746.4

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSMISSION OF THE FIXED SIZE PDUS THROUGH THE TRANSPARENT RLC Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.322, TS 25.331

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: RNTI ALLOCATION AND SIGNALLING METHODS

09/821788, 60/195676

Country of registration: CA

Application no.:

Patent no.:

PCT/FI00/00186

Countries applicable:

ETSI Deliverable:

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR Title:

INTERFACE

Country of registration: Application no.:

CA 2346115

Patent no.: Countries applicable:

ETSI Deliverable: TS 29.007, TS 27.001

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Nokia Corporation

Project: UMTS

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: US Application no.: 416019 Patent no.: 5664053

Countries applicable: ETSI Deliverable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

TS 23.060

Country of registration: CN

Application no.: PCT/EP00/03478

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: EPO Application no.: 00922643.2 Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: J

Application no.: 2

Patent no.:

2001-524310

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: US **Application no.:** US 10/015134

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS
Title: INTELLIGENT INTERNET ROUTER

Country of registration: PCT

Application no.: PCT/EP00/03478

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: FPO Application no.: 00942328.6

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE Title:

Country of registration: GB Application no.: 9915301.7

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSMISSION OF THE FIXED SIZE PDUS THROUGH THE TRANSPARENT RLC Title:

Country of registration: PCT

Application no.: PCT/IB01/00489

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.322, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM Title:

OF DATA FRAMES

Country of registration: ΑU Application no.: 64040/98 Patent no.: 733218

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: NO

Application no.: 19995452

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

JP Application no.: Patent no.:

10-548716

Countries applicable:

ETSI Deliverable: TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: FPO Application no.:

Patent no.:

97923049.7

Countries applicable:

TS 03.71 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.:

Patent no.:

97182167.4

CN

Countries applicable:

ETSI Deliverable: TS 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.: 28959/97 738573 Patent no.: Countries applicable:

ETSI Deliverable:

TS 03.71

AU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES CH

TS 45,003

Country of registration:

Application no.:

1846/99

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech JΡ

Country of registration:

Application no.: 523852/96

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES KR

Country of registration:

Application no.: Patent no.:

KR 99-7009285

Countries applicable:

ETSI Deliverable:

TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Flexible synchronization of WCDMA base stations

Country of registration: GB Application no.: 9819482.2

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Flexible synchronization of WCDMA base stations

Country of registration: US Application no.: 09/786772

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Fast sparse-algebraic-codebook search for efficient speech coding Country of registration: AT

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: Application no.: 90915956.8 0516621 Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: CA Application no.: 2010830 Patent no.: 2010930

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: Application no.: 90915956.8 Patent no.: 0516621

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: DF

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding DK

Country of registration: Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

FS

Project: UMTS

METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM Title:

OF DATA FRAMES

Country of registration:

Application no.: 9950051

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: JΡ Application no.: 7-509577 Patent no.: 3251293

Countries applicable:

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: GB

Application no.: GB 9908518.5

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: CID FIELD HANDLING IN ROHC

PCT

PCT/EP00/03699

Country of registration: Application no.:

20002100

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS Title:

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: JP 7-509578 Application no.: Patent no.: 3154493

Countries applicable:

ETSI Deliverable:

TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM FΙ

Country of registration: Application no.: Patent no.:

961314

Countries applicable:

ETSI Deliverable:

TS 25.402, TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: **EPO** Application no.: 93920866.6 Patent no.: 0720805 Countries applicable: DE, FR, GB, HK **ETSI Deliverable:** TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS Title:

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.: 48211/93 Patent no.: 686111

Countries applicable:

ETSI Deliverable: TS 25.402, TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: 09/423373

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: NO Application no.: 961193

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.401, TR 25.931, TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Flexible synchronization of WCDMA base stations

Country of registration: JΡ

Application no.: 569534/2000

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: FI Application no.: 961315

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.401, TR 25.931, TR 25.990

FPO

93920865.8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: AU Application no.: 48210/93 684719 Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: US Application no.: 09/914308

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Flexible synchronization of WCDMA base stations

Country of registration: BR

Application no.: PI9913452-7

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Flexible synchronization of WCDMA base stations **EPO**

Country of registration: Application no.:

99940435.3

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR Title:

COMMUNICATIONS SYSTEM

Country of registration: US Application no.: 619458 Patent no.: 5850607

Countries applicable:

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Country of registration: CN

Application no.: 96193095.0 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: **EPO** Application no.: 90915956.8 Patent no.: 0516621

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Vector adaptive predictive coder for speech and audio

Country of registration: GB Application no.: 92108904.1 Patent no: 0503684

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: Vector adaptive predictive coder for speech and audio

Country of registration:

Application no.: 92108904.1 Patent no.: 0503684

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Vector adaptive predictive coder for speech and audio

Country of registration: .IP

Application no.: 84973/1988 Patent no.: 2887286

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Vector adaptive predictive coder for speech and audio

Country of registration: US Application no.: 035615 Patent no.: 4969192

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech AR

Country of registration:

Application no.: 0335305

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech ΑŪ

Country of registration:

Application no.: 44796/96

Countries applicable: **ETSI Deliverable:**

Patent no.:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Vector adaptive predictive coder for speech and audio

Country of registration: Application no.: 92108904.1 Patent no.: 0503684

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: CA Application no.: 2210765

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Vector adaptive predictive coder for speech and audio

Country of registration: DE Application no.: 92108904.1 Patent no.: 0503684

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

Application no.: 19604273.9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech FPO

Country of registration:

96900816.8

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Application no.:

FS 9650025

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

FΙ 973241

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech FR

Application no.:

9601426 2730336

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech GB

Application no.:

9602391.6 2297671

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech HK

Application no.:

98101406.9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

BR 9607026.9

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

Country of registration: Application no.:

KR 99-7006666

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 05.09 TS 05.03

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM .IP

Application no.:

8-504135

Patent no.: Countries applicable:

ETSI Deliverable:

TR 25.832

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Nokia Corporation

UMTS

Title: Country of registration:

Fast sparse-algebraic-codebook search for efficient speech coding GB

Application no.:

90915956.8 Patent no.: 0516621

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

UMTS

GR

Project: Title:

Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration:

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration:

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration: ΑU Application no.: 58658/98 Patent no.: 739176

Countries applicable:

ETSI Deliverable:

TS 05.09 TS 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION CN

Country of registration:

Application no.:

98802418.7

Patent no.: Countries applicable:

ETSI Deliverable:

TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration: Application no.:

EPO 98901995.5

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Vector adaptive predictive coder for speech and audio

Country of registration:

FR Application no.: 92108904.1 Patent no.: 0503684

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

JP

Country of registration:

Application no.: 10-533811

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: ES

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

Country of registration: US Application no.: 09/019656

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration: PCT

Application no.: PCT/FI98/00079

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: INTELLIGENT INTERNET ROUTER

Country of registration: BR

Application no.: PI 0013930-0

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: LU Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: NL

Application no.: 90915956.8
Patent no.: 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: SE

 Application no.:
 90915956.8

 Patent no.:
 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: US

Application no.: 927528, 438703
Patent no.: 5444816, 5699482

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION FI

Country of registration:

Application no.: 970554

Patent no.:

Countries applicable:

ETSI Deliverable: TS 05.09 TS 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Location update method and inter core network entity handover method

Country of registration: CA
Application no.: 2334654

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: SG Application no.: 96122478 Patent no.: 36469

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: US Application no.: 765067 Patent no.: 5930233

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station

Country of registration: BR

Application no.: PI9909396-0

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Method for establishing a signaling connection with a mobile station

Country of registration:

Application no.: 99804784.8

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station FPO

Country of registration:

Application no.: 99913342.4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method for establishing a signaling connection with a mobile station

Country of registration: Application no.: 980783

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM Title:

Country of registration: FPO Application no.: 95924335.3

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station

Country of registration: US Application no.: 09/647022

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

> **SYSTEM** PCT

TR 25.832

Country of registration:

Application no.: PCT/FI97/00064

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** Title:

Location update method and inter core network entity handover method Country of registration: CN

Application no.: 99808674.6 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Location update method and inter core network entity handover method

Country of registration: FPO Application no.: 99928487.0

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Location update method and inter core network entity handover method JΡ

Country of registration:

Application no.: 2000-555450

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Location update method and inter core network entity handover method

Country of registration:

US Application no.: 09/098216, 09/271191

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Code allocation in soft handover ΑU

26750/00

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: CN 00800191.X

Application no.:

Patent no.:

ETSI Deliverable:

Notes:

Countries applicable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: .IP Application no.: 9-528190

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station

Country of registration: JP

Application no.: 2000-542947

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: CA

PCT/US00/20074 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: KR 707574 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: PCT

Application no.: PCT/IB01/01757

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM GB

Country of registration: Application no.:

0020442.0

Patent no.: Countries applicable:

ETSI Deliverable: TS 25 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: PCT

PCT/US00/20074 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: US

Application no.: 09/364523

Patent no.:

Countries applicable:

TS 25.303 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: KR

Application no.: 7001348/2002

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: JP 2001-513926 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration:

NO Application no.: 983605

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: CN

Application no.: 00811001.8

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: US Application no.: 09/117923

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: BR

Application no.: PI0012870-8

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: CELL LOAD INFORMATION BETWEEN RNC IN WCDMA

Country of registration: PCT

Application no.: PCT/EP98/07932

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: CELL LOAD INFORMATION BETWEEN RNC IN WCDMA

Country of registration: US 09/876562

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: CELL LOAD INFORMATION BETWEEN RNC IN WCDMA

Country of registration: **EPO** Application no.: 98962419.2

Patent no.: Countries applicable:

ETSI Deliverable:

TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: TRANSFERRING OF GPS DATA IN MOBILE NETWORK

Country of registration: **PCT**

Application no.: PCT/EP00/13120

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.433 TS 23.002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: ACTIVATING A PDP CONTEXT FOR A CALL ACCORDING TO THE CAPABILITY INFORMATION

Country of registration: PCT

Application no.: PCT/EP00/02360

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO Title:

SYSTEM Country of registration: CN

Application no.:

97192111.3

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: **EPO** Application no.: 00950589.2

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: JP.

Application no.: 2000-600435

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration:

Application no.: 960541 Patent no.: 102447

Countries applicable: **ETSI Deliverable:**

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title:

USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS

Country of registration:

PCT PCT/FI01/00342

Application no.:

Patent no.: Countries applicable:

TS 25.323 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SERVICE & OTHER INFORMATION TRANSFER FROM E.G. VISITED NETWORK TO HOME Title:

NETWORK IN R00 REFERENCE ARCHITECTURE

Country of registration:

Application no.: PCT/EP00/07779

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: AN EFFICIENT HANDOFF PROCEDURE FOR HEADER COMPRESSION

Country of registration: US Application no.: 09/522497 Patent no.: 6300887

Countries applicable:

ETSI Deliverable: 25.860

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: AN EFFICIENT HANDOFF PROCEDURE FOR HEADER COMPRESSION

Country of registration:

Application no.: PCT/US00/30826

Patent no.:

Countries applicable:

ETSI Deliverable:

25.860

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: UMTS AUTHENTICATION AS THE AUTHENTICATION MECHANISM IN THE IP MULTIMEDIA

SUBSYSTEM

Country of registration: US Application no.: 09/630425

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE Title:

Country of registration: PCT

PCT/IB00/00989 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS

Country of registration:

Application no.: 20000836

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.323

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Code allocation in soft handover

Country of registration: FΙ Application no.: 990363

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN Title:

MOBILE CELLULAR NETWORKS

Country of registration:

Application no.: Patent no.:

PCT/EP99/04979

Countries applicable:

ETSI Deliverable:

TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: NO 20005238 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: US Application no.: 09/673579

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: UMTS AUTHENTICATION AS THE AUTHENTICATION MECHANISM IN THE IP MULTIMEDIA

SUBSYSTEM PCT

Country of registration:

Application no.:

Patent no.:

PCT/US01/23764

Countries applicable:

ETSI Deliverable: TS 23.228 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: BR

Application no.: PI 0009787-0

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CN

FPO

00920970.1

2000-611398

Project: **UMTS**

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration:

Application no.: 00807565.4

Patent no.:

Countries applicable:

TS 25.214 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL JΡ

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Code allocation in soft handover **EPO**

00905100.4

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SYNCHRONIZATION OF PROTOCOL REMAPPING Title: AU

Country of registration: Application no.:

63372/99

Countries applicable:

Patent no.:

ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.: 952256 Patent no.: 98174

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO Title:

SYSTEM

Country of registration: ΑU Application no.: 16041/97

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD TO FIND THE SGSN RESPONSIBLE FOR A ROUTING AREA

Country of registration: PCT

PCT/EP01/00615 Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.236

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: **PCT** PCT/EP99/07596

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: US

Application no.: PCT/EP99/07596

Patent no.:

Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SYNCHRONIZATION OF PROTOCOL REMAPPING Title:

Country of registration:

Application no.: 7004651/2002

Patent no.: Countries applicable:

ETSI Deliverable: TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: JP

Application no.: 2001-530235

Patent no.: Countries applicable:

ETSI Deliverable:

TS 24.022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS Title:

Country of registration: Application no.:

US 09/827185

Patent no.:

Countries applicable:

TS 25.323 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

SYNCHRONIZATION OF PROTOCOL REMAPPING Title:

Country of registration: CA

Application no.:

Patent no.:

PCT/EP99/07596

Countries applicable:

ETSI Deliverable:

TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO Title:

SYSTEM Country of registration: FPO

Application no.: Patent no.:

97902378.5

Countries applicable:

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: AN IMPROVED LTP-PARAMETER SUBSTITUTION FOR THE FRAME ERROR CONCEALMENT IN A

SPEECH DECODER

Country of registration:

PCT

Application no.: Patent no.:

PCT/IB01/02021

Countries applicable:

ETSI Deliverable:

TS 26.191

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

AN IMPROVED SPECTRAL PARAMETER SUBSTITUTION FOR THE SPEECH FRAME ERROR Title:

CONCEALMENT IN A SPEECH DECODER

Country of registration:

Application no.: Patent no.:

09/918300, 60/242498

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

AN IMPROVED SPECTRAL PARAMETER SUBSTITUTION FOR THE SPEECH FRAME ERROR Title:

CONCEALMENT IN A SPEECH DECODER

Country of registration:

Application no.: PCT/IB01/01950

Patent no.: Countries applicable:

ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

UMTS Project:

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS

Country of registration: FPO Application no.: 99938242.7

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS

Country of registration: GB

Application no.: 9815886.8 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS JP

Country of registration:

Application no.:

Patent no.:

561789/2000

TS 23,060

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS

Country of registration: US

Application no.: 09/765144

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: Application no.:

EPO 99950691.8

Patent no.: Countries applicable:

ETSI Deliverable: TS 24 022

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Framing technique for a multi-rate CDMA communication system

Country of registration:

Application no.: 247260/1997

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A METHOD TO CORRELATE TRANSPORT LEVEL CHARGING INFORMATION WITH APPLICATION Title:

LEVEL CHARGING INFORMATION IN ALL-IP NETWORKS

Country of registration:

Application no.: Patent no.:

PCT/IB01/00890

Countries applicable:

ETSI Deliverable:

TS 23.207

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title:

Sophisticated location update for cellular mobile stations FPO

Country of registration:

Application no.: 95915211.7 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title: Sophisticated location update for cellular mobile stations

Country of registration: FΙ Application no.: 941652 Patent no.: 95984

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Sophisticated location update for cellular mobile stations

Country of registration: HK

Application no.: 98112522.5

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: Sophisticated location update for cellular mobile stations

Country of registration: JP Application no.: 7526100

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Sophisticated location update for cellular mobile stations

Country of registration: US Application no.: 718512 Patent no.: 5889770

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Framing technique for a multi-rate CDMA communication system BR

Country of registration: Application no.:

PI9704680-9 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Sophisticated location update for cellular mobile stations

Country of registration: ΑÚ Application no.: 2778795 Patent no.: 694242

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Framing technique for a multi-rate CDMA communication system FPO

Country of registration: Application no.:

97307038.6

Patent no.: Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Virtual packet channel over cellular network

Country of registration:

Application no.: 08/724375, 09/143494 Patent no.: 5802465, 6167248

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

UMTS

Title:

Framing technique for a multi-rate CDMA communication system

Country of registration: Application no.:

KR 97-46432

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Framing technique for a multi-rate CDMA communication system

Country of registration: Application no.: Patent no.:

712309 5859843

US

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Delayed frame acknowledge in a sliding-window flow control protocol Title:

Country of registration: ΑU Application no.: 5650696 Patent no.: 708324

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

SELECTING CSCF IN THE VISITED NETWORK IN CASE OF EMERGENCY CALL

Country of registration:

PCT

Application no.:

PCT/US01/11598

Patent no.: Countries applicable:

ETSI Deliverable:

TS 23,228, TS 23,003, TS 25,331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: SELECTING CSCF IN THE VISITED NETWORK IN CASE OF EMERGENCY CALL

Country of registration: US

Application no.: 09/546208, 09/709716

Patent no.: Countries applicable:

ETSI Deliverable: TS 23.228. TS 23.003. TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

ACTIVATING A SIGNALLING PDP CONTEXT Title:

Country of registration: PCT

Application no.: PCT/IB01/00595

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.228, TS 23.060, TS 23.107

8533810

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Delayed frame acknowledge in a sliding-window flow control protocol JΡ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Framing technique for a multi-rate CDMA communication system Title:

Country of registration: 97118537.9

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration: JĖ

Application no.: 9-502809

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Method and system for controlling the transmission power of certain parts of a radio transmission

Application no.:

09/287844

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION

Title: Country of registration:

US

Application no.: Patent no.: 09/978479

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION

Application no.:

20002307

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Speech decoder having post processing excitation BR

Application no.:

9608479-0

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title: UMTS

Title: Country of registration: Speech decoder having post processing excitation CA

Application no.:

2224688

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Speech decoder having post processing excitation

Country of registration: ĊN Application no.: 96196226.7

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration: Application no.:

FPO 96920925.3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Sophisticated location update for cellular mobile stations

Country of registration:

CN Application no.:

Patent no.:

95192480.X

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Speech decoder having post processing excitation

Country of registration:

Application no.:

Patent no.:

1054/MAS/96

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

A METHOD TO CORRELATE TRANSPORT LEVEL CHARGING INFORMATION WITH APPLICATION

LEVEL CHARGING INFORMATION IN ALL-IP NETWORKS

Country of registration:

Application no.: Patent no.:

09/577152, 09/636738, 09/758267

Countries applicable:

ETSI Deliverable:

TS 23.207

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Speech decoder having post processing excitation

Country of registration: RÜ Application no.: 98101107

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration: US

Application no.: 08/662991, 09/135936 Patent no.: 6029128, 5946651

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Virtual packet channel over cellular network Title: CN

Country of registration:

Application no.: 95100020.9

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Virtual packet channel over cellular network EE

P9400344

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Virtual packet channel over cellular network 94306531.8

FPO

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: Virtual packet channel over cellular network

Country of registration: Application no.: 933894 Patent no.: 97517

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Virtual packet channel over cellular network

Country of registration: .IP Application no.: 6-213046

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** Title:

Speech decoder having post processing excitation

Country of registration: ES Application no.: P9750009 Patent no.: 9750009

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL Title:

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: PCT

Application no.: PCT/FI01/00946

Patent no.:

Countries applicable:

ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: ACTIVATING A SIGNALLING PDP CONTEXT

Country of registration:

Application no.: 09/546207, 09/546057

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.228, TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

EPO 99915770.4

Patent no.: Countries applicable:

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

Title: IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.: 980828 Patent no.: 107504

Countries applicable:

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Country of registration: JΡ

Application no.:

2000-544143

Patent no.:

Countries applicable:

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 09/647784

Patent no.:

Countries applicable:

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HIGH FREQUENCY ENHANCEMENT LAYER CODING IN WIDE BAND SPEECH CODEC Title:

Country of registration: US 09/691440 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190, TS 26.192

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HIGH FREQUENCY ENHANCEMENT LAYER CODING IN WIDE BAND SPEECH CODEC Title:

Country of registration: **PCT** PCT/IB01/01947

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26.190. TS 26.192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CA Application no.: 2325693 Patent no.:

Countries applicable:

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project: UMTS

BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL Title:

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: US

Application no.: 10/021748

Patent no.: Countries applicable:

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration:

Application no.:

PCT/FI99/00840

PCT

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A NOVEL METHOD FOR ESTIMATING ARTIFICIAL HIGHER BAND SIGNAL USING VOICE ACTIVITY

INFORMATION

Country of registration:

Application no.: 09/691323

Patent no.: Countries applicable:

ETSI Deliverable:

TS 26.190

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: A NOVEL METHOD FOR ESTIMATING ARTIFICIAL HIGHER BAND SIGNAL USING VOICE ACTIVITY

INFORMATION

Country of registration:

Application no.:

PCT/IB01/01596

TS 26.190

PCT

US

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: AN IMPROVED LTP-PARAMETER SUBSTITUTION FOR THE FRAME ERROR CONCEALMENT IN A

SPEECH DECODER

Country of registration:

Application no.: 09/702540

Patent no.:

Countries applicable:

ETSI Deliverable: TS 26,191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.:

CA 2193379

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name: **Nokia Corporation**

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: CN Application no.: 96190461.5

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Delayed frame acknowledge in a sliding-window flow control protocol

EPO Country of registration: Application no.: 96913557

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM Title:

Country of registration: FΙ Application no.: 943303 Patent no.: 98976

Countries applicable:

ETSI Deliverable: TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL Title:

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: Application no.: 20002399

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

UTRA FDD DSCH POWER CONTROL IN SOFT HANDOVER Title:

Country of registration: PCT

Application no.: PCT/IB01/00893

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A METHOD FOR IP TELEPHONY BASED PDP CONTEXT ACTIVATION/MODIFICATION

Country of registration: **PCT**

Application no.:

Patent no.:

PCT/EP00/09884

Countries applicable:

ETSI Deliverable: TS 23 228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **Nokia Corporation**

Project:

SIP OPERATION ON TOP OF UMTS RADIO ACCESS NETWORKS (HEADER ADAPTATION METHOD Title:

SELECTION AND CODEC NEGOTIATION)

Country of registration:

Application no.: Patent no.:

PCT/EP00/07932, PCT/EP01/09292

Countries applicable:

ETSI Deliverable:

TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A MECHANISM TO PROJECT THE ADDRESS OF SERVERS BETWEEN NETWORKS

Country of registration: **PCT**

Application no.: Patent no.:

PCT/IB01/01896

Countries applicable:

ETSI Deliverable: TS 23.228, TS 24.229, TS 24.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A MECHANISM TO PROJECT THE ADDRESS OF SERVERS BETWEEN NETWORKS

Country of registration: US Application no.: 60/238471

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23.228, TS 24.229, TS 24.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: ON HANDLING ABNORMAL SITUATIONS IN R00 IM CN SUBSYSTEM: TERMINAL OUT COVERAGE

DURING A CONNECTION

Country of registration: Application no.:

Patent no.:

PCT/FI01/00747

Countries applicable:

ETSI Deliverable:

TS 23.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

ON HANDLING ABNORMAL SITUATIONS IN R00 IM CN SUBSYSTEM: TERMINAL OUT COVERAGE Title:

DURING A CONNECTION

Country of registration:

Application no.: 20001878

Patent no.:

Countries applicable:

ETSI Deliverable: TS 23,228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM Title:

Country of registration: PCT

Application no.: PCT/FI95/00389

Patent no.:

Countries applicable:

ETSI Deliverable: TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 99805545.X

Patent no.: Countries applicable:

ETSI Deliverable:

TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM Title:

Country of registration: Application no.:

NO 960981

Patent no.:

Countries applicable:

ETSI Deliverable: TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Delayed frame acknowledge in a sliding-window flow control protocol Title:

Country of registration: HK

Application no.: 98101125.9

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

UTRA FDD DSCH POWER CONTROL IN SOFT HANDOVER Title:

Country of registration: US

Application no.: 09/608642

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

A METHOD FOR CONTROLLING CONNECTIONS TO A MOBILE STATION Title:

Country of registration: **EPO** Application no.: 01130814.5

Patent no.:

Countries applicable:

ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: Application no.:

US 09/977269

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: CN

Application no.: 99813271.3

Patent no.:

Countries applicable:

TS 29.007, TS 27.001 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: Application no.:

FPO 99949032.9

Patent no.:

Countries applicable:

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

FΙ

Country of registration:

Application no.: 982222 105304 Patent no.: Countries applicable:

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE US 09/807471

Country of registration: Application no.:

Patent no.:

Countries applicable:

TS 29.007, TS 27.001 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: US Application no.: 08/617837

Patent no.: 6011971 Countries applicable:

ETSI Deliverable:

TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

Title: High speed data 1

Country of registration: SG Application no.: 9701460-9 Patent no.: 39174

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1082

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

Country of registration:

Application no.: Patent no.:

PCT PCT/FI99/00927

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

UMTS

Title:

High speed data 1

Country of registration: Application no.: Patent no.:

ΑU 35239/95 701594

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

High speed data 1

Application no.:

CA 2200308

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

High speed data 1 Country of registration:

CN

Application no.:

95195966.2

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: High speed data 1 **EPO**

Application no.: Patent no.:

95932031

Countries applicable:

ETSI Deliverable:

HK

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: High speed data 1 Country of registration:

Application no.: 944487, 971269 96557

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Shared channel signalling with training sequences in UTRA/TDD ΑU

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

701980

58322/00

Project: **UMTS**

Title:

High speed data 1 KR

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

08/817963, 08/676023

Country of registration:

FΙ Application no.: 982432

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

High speed data 1 Title: US

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: High speed data 2

Country of registration: ΑŬ Application no.: 35240/95 Patent no.: 696802

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CA

CN

95195967.0

2200307

Project: **UMTS**

Title: High speed data 2

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **UMTS**

Title: High speed data 2

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Nokia Corporation UMTS

High speed data 2

EPO 95932032

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

High speed data 2

Country of registration:

FΙ

Application no.:

944488, 971270

Patent no.:

96558

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

Title:

High speed data 2

Country of registration: Application no.:

JP 8-511421

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

UMTS

Title:

High speed data 1

Country of registration: Application no.:

.IP 8-511420

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Method for routing CN PDUS in 3G networks FΙ

Country of registration: Application no.:

981398

Patent no.:

106830

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS A handover measurement and reporting scheme

Country of registration: Application no.:

980357

Patent no.:

106285

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Shared channel signalling with training sequences in UTRA/TDD FΙ

Application no.:

991534

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration:

Application no.: 2001-508078

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

NO

20011094

Project: **UMTS**

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

PCT/FI00/00614

Project: **UMTS**

Shared channel signalling with training sequences in UTRA/TDD Title: US

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration:

Application no.:

PCT/FI00/00614

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for routing CN PDUS in 3G networks BR

Country of registration: PI9911304-0

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1087

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

Country of registration:

Application no.: Patent no.:

US 09/435910

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method for routing CN PDUS in 3G networks

Country of registration:

Application no.: Patent no.:

EPO 99931296.0

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio system

Country of registration: Application no.:

JΡ

Patent no.:

11-318161

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method for routing CN PDUS in 3G networks

Country of registration:

Application no.: Patent no.:

2000-555452

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation

Company name: Project:

UMTS

Title:

Method for routing CN PDUS in 3G networks

Country of registration: Application no.:

US 09/719586

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method for routing CN PDUS in 3G networks

Country of registration: PCT

Application no.: PCT/FI99/00522

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

PCT/FI99/00927

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

PCT/FI99/00927

Project: UMTS

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

> system CN

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

PCT/FI99/00927

Project: **UMTS**

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system **EPO**

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title: High speed data 2 UŠ

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

UMTS

US 09/506735 US 6072787

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method for routing CN PDUS in 3G networks

Country of registration:

CN Application no.: 99807410.1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method of implementing macrodiversity ΑU 91638/98

701981

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **UMTS**

Title: High speed data 2 KR

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

Title: A method for delivering messages in a wireless communications system using the same protocol for all

types of messages PCT PCT/FI99/00518

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

PCT

PCT/EP98/07931

Project: **UMTS**

Outer loop power control signaling between radio network controller and base station in WCDMA systems Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1090

Company name: **Nokia Corporation**

Project: UMTS

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: CA Application no.: 2317448

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CN

99802910.6

Project: **UMTS**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

UMTS

99903704.7

Improving user data packet transmission in inter SGSN routing area update in GPRS

EPO

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.: 980340 Patent no.: 106424

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration: Application no.:

.IP

Patent no.:

2000-555454

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

Title:

Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

US

Patent no.:

09/638463

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration: Application no.:

Patent no.:

981387

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title:

Method of implementing macrodiversity

Country of registration:

CN

Application no.:

Patent no.:

98809032.5

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration: FPO

Method of implementing macrodiversity

Application no.:

98943911.2

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Method of implementing macrodiversity

Application no.: Patent no.:

9736562 103446

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Multicall paging procedure

Country of registration: FPO Application no.: 98954361.6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Multicall paging procedure

CA

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

PCT/EP98/06360

Project: **UMTS**

Title: A handover measurement and reporting scheme US

Country of registration:

Application no.: 09/622468

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

9911084.3

Project: UMTS Title:

Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission GB

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS JΡ

Country of registration:

Application no.:

Patent no.:

2000-531967

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Multiple flow with same QOS profile in a PDP context

Country of registration: FPO Application no.: 99938409.2

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Segmentation without continuation indicator

PCT/FI99/00821

Country of registration: PCT

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Delay control method

Country of registration: Application no.:

CA 2325446

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS Title:

Delay control method CN

Country of registration:

Application no.:

Patent no.:

99804786.4

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS** Title:

Delay control method

Country of registration: Application no.:

EPO 99913335.8

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Company name:

Nokia Corporation

Project:

UMTS

Title:

Delay control method

Country of registration: Application no.:

ETSI Deliverable:

980735

Patent no.:

Countries applicable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Delay control method

Application no.:

JΡ

Patent no.:

2000-541783

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Delay control method US

Application no.:

Patent no.:

09/646776

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

Title:

UMTS

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.: Patent no.:

US 09/719589

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration:

Multiple flow with same QOS profile in a PDP context

Application no.:

CA 2339825

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: High speed data 2

Country of registration: SG Application no.: 9701451-8 Patent no.: 39164

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Multiple flow with same QOS profile in a PDP context

Country of registration: FΙ Application no.: 981722 Patent no.: 105969

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Multiple flow with same QOS profile in a PDP context Title:

Country of registration: JP

Application no.: 2000-565696

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Multiple flow with same QOS profile in a PDP context Title:

Country of registration: US Application no.: 09/763001

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Multiple flow with same QOS profile in a PDP context

PCT/FI99/00661

Country of registration: PCT

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1096

Company name:

Nokia Corporation

Project:

UMTS

BR

Title:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.: Patent no.:

PI9911243-4

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages ĊN

Country of registration:

Application no.: Patent no.:

99807122.6

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages **EPO**

Country of registration: Application no.:

Patent no.:

99931292.9

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Multiple flow with same QOS profile in a PDP context

Application no.:

PI9912911-6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Data transmisson method, and radio system

Application no.:

JΡ

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

10-512290

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ETSI

Project: UMTS

Title: Audio coding method and apparus

Country of registration: JP Application no.: 10-63514

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Audio coding method and apparus KR

Country of registration:

Application no.: 99-7008369

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Audio coding method and apparus

Country of registration:

SE 9800776-8

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Audio coding method and apparus US

Country of registration:

Application no.:

Patent no.:

09/036102

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Data transmisson method, and radio system

Title: Country of registration: ΑIJ Application no.: 42105/97 Patent no.: 723996

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Data transmisson method, and radio system

Country of registration: CN Application no.: 97197705.4

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration: Application no.:

EPO 00944086.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Data transmisson method, and radio system

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Audio coding method and apparus

FΙ

963518

Country of registration: Application no.:

Patent no.:

971108

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Data transmisson method, and radio system NO

19991095

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Data transmisson method, and radio system

Country of registration: US Application no.: 09/230496

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method and device for voice activity detection and a communication device

Country of registration: Application no.:

96118504.8

FPO

JP

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Method and device for voice activity detection and a communication device

Country of registration:

Application no.: 08-331874

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method and device for voice activity detection and a communication device

Country of registration: Application no.: 08/763975 Patent no.: 5963901

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Mobile communications

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

9713654-9

BR

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Mobile communications

CN

97181963.7

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Data transmisson method, and radio system 97940174.2

EPΩ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Improvement of soft handoffs in cellular CDMA telecommunications system JP

Country of registration:

Application no.: 7-509576

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Multicall paging procedure

Country of registration: 2000-575324

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Multicall paging procedure US

Country of registration: PCT/EP98/06360

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Multicall paging procedure

PCT

PCT/EP98/06360

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Transportation of QOS mapping information

990009, 990253

FI

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Transportation of QOS mapping information

Country of registration: **PCT** PCT/FI00/00003

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

Refined TX-AA mode

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

PCT/EP99/03440

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Improvement of soft handoffs in cellular CDMA telecommunications system ΑÜ

Country of registration: Application no.: Patent no.:

48209/93 681595

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Audio coding method and apparus

Country of registration: GB Application no.: 9805294.7

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: Application no.:

961313

FΙ

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Audio coding method and apparus

Country of registration: FR Application no.: 9803135 Patent no.: 9803135

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: UMTS

Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: Application no.:

NO 961194

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Improvement of soft handoffs in cellular CDMA telecommunications system

Title: Country of registration: US Application no.: 08/619461 Patent no.: 6009328

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Audio coding method and apparus

Country of registration: ΑU Application no.: 62164/98

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Audio coding method and apparus CN

98104180.9

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Audio coding method and apparus Title: DF

19811039.1

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Audio coding method and apparus **EPO**

98904191.8

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

Mobile communications

Country of registration:

KR

Application no.:

99-7005960

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: FPO Application no.: 93920864.1

Patent no.: Countries applicable:

ETSI Deliverable:

AT, CH, DE, ES, FR, GB, HK, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration: PCT PCT/FI99/01010

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: **UMTS**

Title: Mobile communications

Country of registration: **EPO**

Application no.:

97300015.1, 97954953.2 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation Project: UMTS

Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to Title:

GSM PCT

EPO

99956044.4

PCT/FI99/00917

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Initialisation of UE specific frame number for air interface ciphering

Country of registration: Application no.:

Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Initialisation of UE specific frame number for air interface ciphering

Country of registration:

Application no.: 990499, 991184 Patent no.: 106494

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Initialisation of UE specific frame number for air interface ciphering

PCT/FI99/00926

Country of registration: US

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A method for controlling connections to a mobile station FΙ

Country of registration:

Application no.:

980736, 20010001 Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Initialisation of UE specific frame number for air interface ciphering

Country of registration: PCT PCT/FI99/00926

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

.IP 2000-580411

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration: Application no.: 990757 Patent no.: 105964

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

> **GSM** FΙ

982391

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title:

Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä

Country of registration: Application no.: Patent no.:

990384 106901

Countries applicable: **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä Title:

Country of registration: Application no.:

US 09/507804

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä Title:

Country of registration: Application no.:

PCT

Patent no.:

PCT/FI00/00137

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Segmentation without continuation indicator Title:

Country of registration: CA

Application no.: PCT/FI99/00821

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Segmentation without continuation indicator

PCT/FI99/00821

Country of registration: CN

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

EPO

Project: **UMTS** Title:

Segmentation without continuation indicator

Country of registration:

Application no.: 99947498.4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title: Segmentation without continuation indicator

PCT/FI99/01010

Nokia Corporation

Country of registration: Application no.: 982167 Patent no.: 106504

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration: CA

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Call type specific multicall service in 3rd generation mobile networks

Country of registration: FPO Application no.: 99931317.4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A handover measurement and reporting scheme

Country of registration: FPO Application no.: 99902583.6

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Mobile communications Title:

Country of registration: US

Application no.: 08/996929 Patent no.: 5946634

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: WCDMA packet mode code resource allocation mechanism in the downlink ΑU

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

WCDMA packet mode code resource allocation mechanism in the downlink Title: CN

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

99801086.3

51651/99

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: **UMTS**

Title: WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: FPO Application no.: 99936624.8

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

FΙ

Project: **UMTS**

Title: WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: Application no.:

981546 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

WCDMA packet mode code resource allocation mechanism in the downlink JP

Country of registration:

Application no.: 2000-558616

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to Title:

GSM

Country of registration:

Application no.:

US 09/600083

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: Application no.:

US 09/486821

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Mobile communications

Country of registration: JP

Application no.: 10-529608

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Call type specific multicall service in 3rd generation mobile networks

Country of registration: Application no.:

FΙ 981989

JP

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Call type specific multicall service in 3rd generation mobile networks

Country of registration: Application no.:

2000-570989

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: UMTS

Call type specific multicall service in 3rd generation mobile networks

Country of registration:

US Application no.:

Patent no.:

PCT/FI99/00545

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Call type specific multicall service in 3rd generation mobile networks

Country of registration:

Application no.:

PCT

Patent no.:

PCT/FI99/00545

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1111

Company name:

Nokia Corporation

Project:

UMTS

Title:

Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM BR

Country of registration:

Application no.:

PI9906716-1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM

Country of registration: Application no.:

CN 99802021.4

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to Title:

GSM EPO

99971626.9

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: Application no.: Patent no.:

NO 20001072

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Method of controlling communication resources

Application no.:

CN

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

98807783.3

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1112

Company name: **Nokia Corporation**

Project: UMTS

Title: Information transmission in a telecommunications system

Country of registration:

Application no.: 1858/MAS/98

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Information transmission in a telecommunications system

JΡ Country of registration:

Application no.: 2000-510304

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Information transmission in a telecommunications system MY

Country of registration: Application no.:

PI9803775 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Information transmission in a telecommunications system

Country of registration: 1-1998-00021

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Information transmission in a telecommunications system US

Country of registration:

Application no.:

Patent no.:

09/504996

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Information transmission in a telecommunications system

Country of registration: Application no.: 98/7472 Patent no.: 98/7472

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

IN

Application no.: Patent no.:

1164/MAS/98

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Notes:

UMTS METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration:

Application no.:

NO 961192

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.402. TR 25.990 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS Title:

Information transmission in a telecommunications system

Country of registration:

Application no.:

Patent no.:

98809189.5

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Method of controlling communication resources

Country of registration: Application no.:

EPO 98936445.0

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Method of controlling communication resources

Country of registration: Application no.: 973169 Patent no.: 104143

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

IN

Project: **UMTS**

Title: Method of controlling communication resources

1707MAS/98

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

2000-505760

Project: **UMTS**

> Method of controlling communication resources JP

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

Title: Method of controlling communication resources Country of registration: MY

PI9803509

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

0001931

Project: **UMTS** Title:

Method of controlling communication resources PΗ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method of controlling communication resources

Country of registration: US Application no.: 09/491524

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method of controlling communication resources

CA

NO

2297896

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Data communication and radio system

Country of registration: Application no.:

19995801

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS Title:

A handover measurement and reporting scheme

Country of registration: 2000-532992

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Country of registration:

Method for transmitting two parallel channels using code division and an apparatus realising the method KR

98-19478

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1116

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Method for transmitting two parallel channels using code division and an apparatus realising the method

Application no.: Patent no.:

RU 98110072

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.:

US 09/086077

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

Data communication and radio system

Application no.:

ΑU 31488/99

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS Data communication and radio system

Country of registration:

CN

Application no.:

99800395.6

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Data communication and radio system **EPO**

Application no.:

99913326.7

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Information transmission in a telecommunications system

Country of registration: Application no.: 973394

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Data communication and radio system JΡ

11-551218

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Information transmission in a telecommunications system Title:

EPO

98939666.8

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

Title: Data communication and radio system Country of registration: US 09/424081

98305055.0

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Mobile station employing selective discontinuous transmission for high speed data services Title: FPO

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Mobile station employing selective discontinuous transmission for high speed data services

Country of registration:

Application no.: 10-178955

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

KR

98-21536

Project: **UMTS**

Title: Mobile station employing selective discontinuous transmission for high speed data services

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Mobile station employing selective discontinuous transmission for high speed data services Title:

Country of registration: US Application no.: 08/882822 Patent no.: 6137789

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

2300986

Project: UMTS

Title: Information transmission in a telecommunications system CA

Country of registration: Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Method in a packet network FΙ

Country of registration: Application no.: Patent no.:

980761

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Data communication and radio system

PI9901046-1

Country of registration: Application no.: 980703 Patent no.: 106663

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: **BR**

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Method of controlling communication resources

Country of registration: ZA Application no.: 98/6804 Patent no.: 98/6804

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Method for connection reconfiguration in cellular radio network

Country of registration: 2000-529860

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Method for connection reconfiguration in cellular radio network Title: US

09/627526

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A handover method, and a cellular radio system

Country of registration: Application no.: 32605/95 Patent no.: 712159

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: A handover method, and a cellular radio system

95197949.3

Country of registration: CN

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

EPO

95929130.3

Project: **UMTS**

A handover method, and a cellular radio system

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: A handover method, and a cellular radio system Country of registration:

Application no.:

9-509874

98941451.1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for connection reconfiguration in cellular radio network **EPO**

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A handover method, and a cellular radio system

Country of registration:

Application no.: 09/043012. 09/756851

Patent no.: 6198928

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

CN

Project: **UMTS**

Title: Method for connection reconfiguration in cellular radio network

Country of registration:

Application no.: 98813368.7

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Title:

Method and system for controlling the transmission power of certain parts of a radio transmission Country of registration: CN

Application no.:

99107517.X Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

99302738.2

Project:

Method and system for controlling the transmission power of certain parts of a radio transmission Title: **EPO**

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Method and system for controlling the transmission power of certain parts of a radio transmission FΙ

Country of registration: Application no.:

981194 106662

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation

Project:

UMTS

Title:

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.:

HK 00102938.1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.:

JΡ

Patent no.:

11-100987

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.:

KR 99-12393

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project:

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration:

99107638

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS A handover method, and a cellular radio system

Country of registration:

NO

Application no.:

980874

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.: 2000-529857

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method HK

Country of registration: Application no.:

99102590.2

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Method in a packet network

Country of registration:

JP Application no.: 2000-542938

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Method in a packet network US

Country of registration:

Application no.:

Patent no.:

09/283940

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system ΑIJ

Country of registration:

Application no.: 20570/99

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.: PI9907196-7

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.: 99802508.9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

EPO

CN

Project: **UMTS**

Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.: 99900905.3

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

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in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

Title: Method for connection reconfiguration in cellular radio network

Country of registration: Application no.: 980208 Patent no.: 106172

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system IN

Country of registration:

Application no.:

Patent no.:

2000/00204/CHE

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method in a packet network

Country of registration: FPO Application no.: 99913333.3

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system

Country of registration: KR

2000-7008524 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

US

Project: **UMTS**

Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.: 09/238313

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Method for connection reconfiguration in cellular radio network

Country of registration:

Application no.:

PI9814925-3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

2318480

Project: **UMTS**

Method for connection reconfiguration in cellular radio network Title: CA

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration: Application no.: 980780

Patent no.: Countries applicable:

ETSI Deliverable: TS 25.214, TS 25.433

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration:

Application no.: 99804689.2

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214, TS 25.433 Notes:

CN

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Power balancing between downlink DHO branches in a CDMA system BR

Country of registration:

Title:

Application no.: PI9909387-1

Patent no.:

Countries applicable:

ETSI Deliverable:

TS 25.214, TS 25.433

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

980209

Project: UMTS

Title: Method of ciphering data transmission, and cellular radio system

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Power balancing between downlink DHO branches in a CDMA system US

Country of registration:

Application no.:

Patent no.:

PCT/FI99/00257

Countries applicable:

ETSI Deliverable: TS 25.214, TS 25.433

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

1127

Company name: **Nokia Corporation**

Project: UMTS

Title: Secure detach procedure

Country of registration:

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

PCT PCT/EP98/08064

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project:

UMTS

Title:

Secure detach procedure

Country of registration: Application no.:

US 09/627684

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Secure detach procedure JP

Country of registration:

Application no.:

Patent no.:

2000-587560

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Secure detach procedure

Country of registration:

Application no.:

98965808.3

EPO

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Secure detach procedure CN

Application no.:

Patent no.:

98813557.4

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: Secure detach procedure

Country of registration: CA Application no.: 2320464

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Inter-system handover measurement initiation mechanism

Country of registration: PCT PCT/FI00/00470

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Multiple pilot signals in a CDMA cellular communication system

Country of registration:

EPO Application no.: 96919814

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Interworking between radio access networks

Country of registration:

Application no.:

PCT/EP99/00452

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

Mip advertisement FΙ

Country of registration:

Application no.:

Patent no.:

991297

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Modification to GPRS specifications for 3rd generation cellular systems

Country of registration: PCT

Application no.: PCT/FI00/00357

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Modification to GPRS specifications for 3rd generation cellular systems Title:

Country of registration: US PCT/FI00/00357

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Method of implementing macrodiversity

Country of registration:

Application no.:

Patent no.:

2000-511310

JP

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Method of implementing macrodiversity NO 20001225

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Method of implementing macrodiversity Title: US 09/520387

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.: 5820896 Patent no.: 707721

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

JΡ 140709/1998

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Inter-system handover measurement initiation mechanism FΙ

Country of registration: Application no.:

991194 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Encoding blocks for turbo codes US

09/719585

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: A handover measurement and reporting scheme

Country of registration: CN 99803036.8

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A handover measurement and reporting scheme

Country of registration: CA Application no.: 2320775

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Handling of classmarks Title:

Country of registration: PCT PCT/IB00/01180

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Handling of classmarks

GB

Country of registration:

Application no.:

Patent no.:

9918636.3

Countries applicable: **ETSI Deliverable:**

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Usage of AMR speech codec in WCDMA

Country of registration:

Application no.:

PCT/FI00/00615

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Usage of AMR speech codec in WCDMA US 09/609880

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Usage of AMR speech codec in WCDMA

Country of registration: Application no.: 991536

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Maintenance of data integrity in a 3G network

Country of registration: Application no.: 990071 Patent no.: 106497

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Encoding blocks for turbo codes

PCT

Country of registration:

Application no.: PCT/FI00/00322 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Maintenance of data integrity in a 3G network

Country of registration: PCT/FI00/00025

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Encoding blocks for turbo codes JΡ

Country of registration: 2000-613080

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Encoding blocks for turbo codes

Country of registration: Application no.: 990863 Patent no.: 106758

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Encoding blocks for turbo codes Title:

Country of registration: EPΩ Application no.:

00918918.4

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Title:

Nokia Corporation

Project: **UMTS**

Encoding blocks for turbo codes

Country of registration:

CN 00800593.1

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title: Encoding blocks for turbo codes CA

2333109

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS** Title:

Encoding blocks for turbo codes

Country of registration:

BR

Application no.: Patent no.:

PI0006049-6

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Nokia Corporation

Project:

UMTS

Title:

Mip advertisement

Country of registration:

PĊT

Application no.:

PCT/FI00/00504

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

FΙ

Title:

Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.: Patent no.:

952532 98171

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

A new timing proposal for RACH

Country of registration:

PCT

Application no.: Patent no.:

PCT/EP99/03630

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

Power balancing between downlink DHO branches in a CDMA system

Country of registration:

Application no.:

2000-542942

Patent no.:

Countries applicable: ETSI Deliverable:

TS 25.214, TS 25.433

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

A method and a system for controlling a macrodiversity connection through at least two radio network controllers

Country of registration: Application no.:

CA 2320101

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: CN Application no.: 96190676.6

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Packet routing in GSM interoperator network

Country of registration: SG Application no.: 9705557-8 Patent no.: 49522

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title:

Packet routing in GSM interoperator network Country of registration: NO

973177

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: Application no.: 8-521459 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Packet routing in GSM interoperator network

Country of registration: FΙ Application no.: 950116 Patent no.: 98586 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration:

Application no.: 90915956.8 Patent no.: 0516621

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Packet routing in GSM interoperator network

CN

Country of registration:

Application no.: 96191857.8

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

A method and a system for controlling a macrodiversity connection through at least two radio network Title:

controllers CN 99803016.3

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: **UMTS**

Packet routing in GSM interoperator network Title:

Country of registration: CA 2209715 Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Nokia Corporation**

Project: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: ΑU Application no.: 43928/96 Patent no.: 702765

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Nokia Corporation

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.:

CN 98109343.4

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.:

DF

Patent no.:

19823504.6

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.:

EPO 98304282.1

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

972278

Application no.: Patent no.:

105377

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

Patent no.:

UMTS Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

GB 9811666.8

Application no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: EPO 96900336.7

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A method for controlling connections to a mobile station

Country of registration: US **Application no.:** 09/647132

Patent no.:

Countries applicable: ETSI Deliverable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

8535425

970300

Project: UMTS

Title: OWI

Multiple pilot signals in a CDMA cellular communication system ion: .IP

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Multiple pilot signals in a CDMA cellular communication system NO NO

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: US

Country of registration: Application no.:

Patent no.:

08/776263

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Nokia Corporation

Project:

UMTS

Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

BR PI9801707-1

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Modification to GPRS specifications for 3rd generation cellular systems

Application no.:

JΡ

Patent no.:

2000-506260

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES have by declars that they are proposed to great irreversable lineages.

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Modification to GPRS specifications for 3rd generation cellular systems

Application no.:

FI 991466

Patent no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UM7
Title: Pacl

Packet routing in GSM interoperator network

Country of registration: Application no.:

08/875464 5970059

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNAT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title:

Modification to GPRS specifications for 3rd generation cellular systems BR

Country of registration:

Application no.: Patent no.:

PI0006854-3

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Nokia Corporation

Project:

UMTS

Title:

A method and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration:

Application no.:

EPO 99903708.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: Title:

A method for controlling connections to a mobile station

Country of registration:

Application no.:

JΡ 2000-541842

UMTS

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: A method for controlling connections to a mobile station **EPO**

Application no.:

Patent no.:

99913334.1

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS

A method for controlling connections to a mobile station

Country of registration: Application no.:

CN 99805061

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Nokia Corporation

Project: Title:

UMTS

Country of registration:

A method for controlling connections to a mobile station

Application no.:

BR

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

PI9909307-3

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

Nokia Corporation

Project:

UMTS

US

Title:

A method and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration:

Application no.:

09/622240

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation UMTS

Project: Title:

A method and a system for controlling a macrodiversity connection through at least two radio network

controllers JP. 2000-531914

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: UMTS

Title:

A method and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration:

Application no.:

980348, 981811

Patent no.: 106667

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project:

UMTS

Title: Country of registration: Modification to GPRS specifications for 3rd generation cellular systems

Application no.:

EPO 00920784.6

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nortel Northern Telecom Ltd.

Project: Title:

UMTS TD-CDMA

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

Company name: Nortel Northern Telecom Ltd.

Project: **UMTS** Title: W-CDMA

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

Nortel has declared that it is the owner of IPRs which might be considered essential to the W-CDMA systems standards. Nortel is prepared to grant irrevocable licenses under the IPRs, on terms and

conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Company name: NTT Project: **UMTS** W-CDMA Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

NTT DoCoMo is prepared to grant licenses to its essential IPRs on fair, reasonable, and non-Notes:

discriminatory basis in accordance with the terms and conditions set forth in clause 6.1 of the ETSI IPR

Policy.

OKI Electric Industry Co., Ltd. Company name:

Project:

Spreading code generator and CDMA communication system (UTRA) Title:

Country of registration:

Application no.: 2.181.637 Patent no.: Pending Countries applicable: CA

ETSI Deliverable:

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

CDMA receiver with weighted interference cancellation (UTRA) Title:

Country of registration:

Application no.: 97-31736 Patent no.: Pending Countries applicable: KR

ETSI Deliverable:

Company name:

Notes:

OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Country of registration:

CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 08-183593 Patent no.: Pending Countries applicable: JΡ

ETSI Deliverable:

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Code division multiple access receiver with sequential interference-cancelling (UTRA) US

Country of registration:

Application no.: Patent no.:

Countries applicable:

95103484,2

ETSI Deliverable:

DE, FR, GB

Pending for Japan, Korea and EPCDI. Notes:

Company name: OKI Electric Industry Co., Ltd.

Project: **UMTS**

Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)

Country of registration: US Application no.: 397.676 Patent no.: 5.579.304 Countries applicable: US

ETSI Deliverable:

Notes: Pending for Japan, Korea and EPCDI. Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)

Country of registration: US Application no.: 95-2360 Patent no.: 5.579.304 Countries applicable:

ETSI Deliverable: Pending for Japan, Korea and EPCDI. Notes:

OKI Electric Industry Co., Ltd. Company name:

Project:

Code division multiple access receiver with sequential interference-cancelling (UTRA) Title:

Country of registration: US Application no.: 07-000349 Patent no.: 5.579.304 Countries applicable:

ETSI Deliverable:

Notes: Pending for Japan, Korea and EPCDI.

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Spread code generation device for spread spectrum communication (UTRA)

Country of registration: US Application no.: 426.254 Patent no.: 5.631.922 Countries applicable: US

ETSI Deliverable:

Notes: Pending for Japan.

Company name: OKI Electric Industry Co., Ltd.

Project:

CDMA receiver with weighted interference cancellation (UTRA) Title:

Country of registration:

Application no.: 2.210.214 Patent no.: Pending Countries applicable: CA

ETSI Deliverable:

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: CDMA receiver with weighted interference cancellation (UTRA)

Country of registration:

Application no.: 883.959 Patent no.: Pending Countries applicable: US **ETSI Deliverable:**

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Spreading code generator and CDMA communication system (UTRA) Title:

Country of registration:

Application no.: 96111548,2 Patent no.: Pending Countries applicable: **EPO ETSI Deliverable:**

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project: **UMTS**

Channel modulation for code-division multiple-access systems (UTRA) Title:

Country of registration: Application no.: Patent no.: Pending Countries applicable: JΡ

ETSI Deliverable:

Notes:

06-127933

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Spreading code generator and CDMA communication system (UTRA)

Country of registration:

Application no.: 679.925 Patent no.: Pending Countries applicable: US ETSI Deliverable:

Company name:

Notes:

OKI Electric Industry Co., Ltd.

Project:

Spreading code generator and CDMA communication system (UTRA) Title:

Country of registration:

96-30635 Application no.: Patent no.: Pending Countries applicable: KR

ETSI Deliverable:

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Spreading code generator and CDMA communication system (UTRA) Title:

Country of registration: Application no.: 07-192062 Patent no.: Pending Countries applicable: JΡ

ETSI Deliverable:

Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Saturation prevention system for radio telephone with open and close loop power control systems (UTRA) Title:

Country of registration: US Application no.: 9609267,1 5.689.815 Patent no.: Countries applicable: GB

ETSI Deliverable:

Pending for Japan, Korea, Canada and Great Britain. Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US Application no.: 2.175.749 Patent no.: 5.689.815 Countries applicable:

ETSI Deliverable: Pending for Japan, Korea, Canada and Great Britain. Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US 434.650 Application no.: Patent no.: 5.689.815 Countries applicable:

ETSI Deliverable:

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: **UMTS**

Saturation prevention system for radio telephone with open and close loop power control systems (UTRA) Title: Country of registration: US

Application no.: 96-14312 Patent no.: 5.689.815 Countries applicable: KR

ETSI Deliverable:

Notes: Pending for Japan, Korea, Canada and Great Britain.

OKI Electric Industry Co., Ltd.

Project:

Title:

Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: Application no.:

08-110634 5.689.815

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Pending for Japan, Korea, Canada and Great Britain.

Company name:

OKI Electric Industry Co., Ltd.

Project:

US

Title:

Spread code generation device for spread spectrum communication (UTRA)

Country of registration: Application no.: Patent no.: Countries applicable:

06-091912 5.631.922

ETSI Deliverable:

Pending for Japan.

Company name: Project:

Notes:

Omnipoint

Title:

W-CDMA, TD/CDMA

Application no.:

Country of registration:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Omnipoint Corporation has declared that it holds IPRs which are Essential to the UMTS/UTRA proposals, including, without limitation, W-CDMA and TD/CDMA. Omnipoint is prepared to grant licenses/cross-

licenses to Essential IPRs on a fair, reasonable and non-discriminatory basis in accordance with

clause 6.1 of ETSI IPR Policy.

Company name:

Project: Title:

Panasonic UMTS W-CDMA

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Panasonic Matsushita Communication Industrial UK Ltd. declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) under the essential IPRs on fair, reasonable and non-

discriminatory basis in accordance with clause 6.1 of the ETSI IPR Policy.

Company name:

Project: Title:

Philips **UMTS**

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Philips Electronics N.V. have declared that in case ETSI adopts an ETSI standard for UMTS radio access

methods, they will be prepared to grant non-exclusive licenses in compliance with the ETSI IPR Policy under their patent rights which are deemed to be essential to this ETSI standard, to any third party on the

basis of full reciprocity.

Company name: Project:

Qualcomm Inc. **UMTS**

Title: Country of registration: Vocoder ASIC

Application no.:

MX 9504358

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project: Title:

UMTS Vocoder ASIC

Country of registration: Application no.:

TW 84102110

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Vocoder ASIC

Country of registration:

KR

Application no.:

704554/95

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Qualcomm Inc. **UMTS**

Title:

Vocoder ASIC

Country of registration: Application no.:

ZA 95/0798

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Vocoder ASIC

Country of registration:

SG

9604575-2

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Qualcomm Inc. **UMTS**

Title:

Vocoder ASIC

Country of registration: Application no.:

US

08/197,417

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Vocoder ASIC

Country of registration:

Application no.:

PCT/US95/02043 - WO 95/22819

Patent no.: Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: **UMTS**

Title: A Method for Controlling Echo Canceling in an Echo Canceller (As Amended)

Country of registration:

Application no.: 08/607,403 Patent no.: 5687229 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS**

Vocoder ASIC Title:

Country of registration:

MY Application no.: PI9500210

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS** Vocoder ASIC Title:

Country of registration: JP Application no.: 521936/95

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS**

Vocoder ASIC Title: Country of registration: Ш Application no.: 112650

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS** Title: Vocoder ASIC IN

94/MAS/95

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS**

Vocoder ASIC Title: Country of registration: Application no.: P950260

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc. UMTS

FΙ

95/4920

EPO

95910296.3

95190086.2

Qualcomm Inc.

Project: Title: Vocoder ASIC

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. Project: **UMTS** Vocoder ASIC Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. Project: **UMTS** Vocoder ASIC Title: Country of registration: CN

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS** Vocoder ASIC Title: Country of registration: RU 95119581 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS** Title:

Method and Apparatus for Performing a Fast Hadamard Transform Country of registration:

Application no.: Patent no.:

13752/95

MX

9404430

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Antenna System for Multipath Diversity in an Indoor Microcellular Communication System

Country of registration: US

Application no.: 08/351,853
Patent no.: 5577265
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Antenna System for Multipath Diversity in an Indoor Microcellular Communication System

Country of registration: US
Application no.: 08/072,640
Patent no.: 5437055
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: US
Application no.: 08/547,340
Patent no.: 5576662
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: US
Application no.: 08/076,228
Patent no.: 5408697
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: TW 83105662
Patent no.: NI-69151
Countries applicable: TW

ETSI Deliverable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Station Operating in an Analog Mode and for Subsequent Hand-off to Another System

Country of registration: US
Application no.: 08/383,555
Patent no.: 5509035
Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature-Compensated Gain-Controlled Amplifier Having A Wide Linear Dynamic Range

Country of registration:

Application no.: PCT/US94/06796

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Vocoder ASIC Title: Country of registration: BR PI9505650-5

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range Title:

IN

458/MAS/94

109952

MY

PI9401460

Country of registration: Ш

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Trellis Encoder and Decoder Based Upon Punctured Rate 1/2 Convolutional Codes Title:

Country of registration: US

Application no.: 08/368,738 Patent no.: 5633881 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Method for Determining Speech Encoding Rate in a Variable Rate Vocoder

Country of registration: US Application no.: 07/984,602 Patent no.: 5341456

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

US

Project: UMTS

Title: Comprehensive Mobile Communications Device Registration Method

Country of registration: US
Application no.: 08/537,059
Patent no.: 5629975
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: CN

Application no.: 94107111.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Relians under the FRS Officering and conditions which are in accordance with clause 0.1 of the

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: ZA Application no.: 94/3837

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration:

Application no.:

IN 1040/MAS/94

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: IN Application no.: 841/MAS/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: IL Application no.: 114560

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Noise Replacement System and Method in an Echo Canceller

Country of registration: US
Application no.: 08/607,402
Patent no.: 5646991
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Network Echo Canceller

Country of registration:USApplication no.:08/202,520Patent no.:5559881Countries applicable:US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: PCT
Application no.: PCT/US95/08889 - WO 96/02986

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:
Application no.:

MX 960954

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: MY
Application no.: PI9501961

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS
Title: Vocoder ASIC

Country of registration: CL **Application no.:** 146/95

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Network Echo Canceller

Country of registration: US
Application no.: 07/951,074
Patent no.: 5307405
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: SG **Application no.:** 9607386-1

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Network Echo Canceller

Country of registration: KR Application no.: 701785/94 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: BR

Application no.: PI9408414-9

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Network Echo Canceller

Country of registration: PC7

Application no.: PCT/US93/09112 - WO 94/08418

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Network Echo Canceller

Country of registration: Application no.: P303792

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Network Echo Canceller Title:

Country of registration: Application no.:

RO 94/00874

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: RU

Application no.:

Patent no.:

94028666.09

Countries applicable:

ETSI Deliverable:

Notes:

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Company name:

Qualcomm Inc.

PV606/94

Project: **UMTS**

Network Echo Canceller Title: SK

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.:

JP 505186/95

Patent no.:

Title:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

96/1150

Country of registration:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Network Echo Canceller

Country of registration: ZΑ Application no.: 93/6322 Patent no.: 93/6322 Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Comprehensive Mobile Communications Device Registration Method Title:

Country of registration: Application no.: 08/536,581 Patent no.: 5642398 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Comprehensive Mobile Communications Device Registration Method Title:

Country of registration: US Application no.: 08/536,580 Patent no.: 5621784 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: ΑIJ 31291/95 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

BR

Project: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

Application no.: PI9506283-1

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System And Method For Simulating User Interference In A Spread Spectrum Communication Network Title:

Country of registration: CA Application no.: 2170636

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.:

CL 1002/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

P951343

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Title:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network FPO

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Qualcomm Inc.

95927186.7

Project: Title:

UMTS System And Method For Simulating User Interference In A Spread Spectrum Communication Network RU

96107901

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Comprehensive Mobile Communications Device Registration Method

Country of registration: US

Application no.:

08/602.683

Patent no.:

5588043

Countries applicable:

US

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Vocoder ASIC

Country of registration: Application no.:

AU 18465/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.: 08/601,491 Patent no.: 5675581 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

VN

S1809/96

Project: **UMTS** System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System And Method For Simulating User Interference In A Spread Spectrum Communication Network Title:

Country of registration: TW Application no.: 84107079

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

KR

ZA

95/5605

2158660

Project: Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

701261/96 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS** Vocoder ASIC Title: Country of registration: CA

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: ĆŃ Application no.: 95190629.1

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.:

1012/96

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: CN

Application no.:

Patent no.:

CN 94193948.0

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: PCT

Application no.: PCT/US95/12390 - WO 96/10873

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

RU 96144977

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: SG Application no.:

9610925-1

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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1159

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum for a Spread Spectrum Multiple Access

Communication System

Country of registration:

Application no.: Patent no.:

ZA 95/7858

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System KR

Application no.:

702836/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

TW 84110064

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Multipath Search Processor for a Spread Spectrum for a Spread Spectrum Multiple Access

Communication System

Country of registration: Application no.:

Patent no.:

S1931/96

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

MY PI 9502749

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

AR 337146

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Method Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: JP Application no.: 512006/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.:

P961753

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: IL Application no.: 118665

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS** Title: JP

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Demodulator Architecture For A Spread Spectrum Multiple Access System

Country of registration: **PCT** PCT/US96/10575 - WO 97/01227

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.: 96/4963 Patent no.: 96/4963 Countries applicable: ZA

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.: 85106788

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Demodulator Architecture For A Spread Spectrum Multiple Access System Title:

Country of registration: Application no.: 08/492,592 Patent no.: 5764592 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title:

Country of registration: BR

Application no.:

Patent no.:

PI9509057-6

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title:

Country of registration: CN Application no.: 95195940,9

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

US

Project: **UMTS**

Title: Multipath Search Processor For A Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

08/316,177

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.: 39451/95 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: Application no.: 111012

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

JP

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Application Title:

Country of registration:

Application no.: 509949/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for CDMA System Applications Title:

Country of registration: MY

Application no.: PI 9402519

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for CDMA System Applications Title:

Country of registration: MX Application no.: 9407324

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: **PCT** PCT/US94/10774 - WO 95/08888

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications Title:

Country of registration: RU Application no.: 9610771

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: ZA
Application no.: 94/7317
Patent no.: 94/7317
Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: Application no.:

701584/96

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: MX **Application no.:** 962026

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: US **Application no.:** US 08/728,101

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration: Application no.:

RU 97106816

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: B

Application no.: pi9506390-0

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

CA 2174243

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

1471-95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.:

Patent no.:

CN 95190946.0

CN

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

FPO 95937306.9

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Project:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

96/2258

FΙ

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

P-951989

Country of registration:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

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Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

1179/MAS/95

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

115461

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: Application no.:

VN S-1775/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals TW

Application no.: Patent no.: Countries applicable: 84100178 NI-72180 TW

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

FΙ

Application no.: Patent no.:

Countries applicable:

953210

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.:

964/MAS/94

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.: 111432

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration:

JΡ 512880/95

MY

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration:

Application no.: PI 9402760

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: MX Application no.: 9408308 Patent no.: 185966 Countries applicable: MX

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

PCT

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.:

PCT/US94/12452 - WO 95/12262

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration:

Application no.: 95113456,09

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Project: UMTS

Title: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration: EPO 95936845,7

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.:

702721/95

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CA

2150932

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: US
Application no.: 08/144,902
Patent no.: 5490165
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

AU 80964/94

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration:

Application no.: 9405646-3
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: CA **Application no.:** 2150542

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

1569-94

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

ion: EPO 94932119,4

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

FI 953211

IN

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration:

Application no.: 984/MAS/94

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: JP Application no.: 512881/95

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.: 94/7841 Patent no.: 94/7841 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: Application no.: Patent no.:

9408437

FPO

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications Title:

Country of registration:

Application no.: 94929870,7 Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title:

Country of registration: US Application no.:

08/316,156

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: Application no.:

ΑU 80943/94

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration:

Application no.: PI940718-8

Patent no.:

Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: CA Application no.: 2174343

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: Application no.: Patent no.:

1579-94

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: FPO Application no.: 9493290,7

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: ΑIJ Application no.: 79876/87 Patent no.: 600528 Countries applicable: ΑU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: IL Application no.: 111452

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration: **EPO** Application no.: 94932118,6 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: MY

Application no.: PI 9402887

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration: Application no.:

1582-94

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: **PCT**

Application no.:

Patent no.:

PCT/US94/12373 - WO 95/12943

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: **7**A Application no.: 94/8427 Patent no.: 94/8427 Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: KR Application no.: 702257/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: TW Application no.: 83111688 Patent no.: NI-078321 Countries applicable: TW

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: VN Application no.: S-1932/96

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For The Transmission Of Variable Rate Digital Data Title:

Country of registration: Application no.: 08/539,490 Patent no.: 5581575 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

ΑU

80963/94

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: BR PI 9405647-1 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration:

Application no.:

PCT PCT/US95/12556 - WO 96/10874

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: JP Application no.: 513306/95 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: EPO **Application no.:** 96902671.5

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration: ZA
Application no.: 95/0599
Patent no.: 95/0599
Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration: TW 84100974 Patent no.: NI-076592 Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Doubletalk Detection by Means of Spectral Content

Country of registration: US
Application no.: 08/783,768
Patent no.: 5732134
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Scheduling Messages on A Common Channel

Country of registration: US
Application no.: 08/780,473
Patent no.: 5729540
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: AR **Application no.:** 335061

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

ΑU 46988/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

BR

Application no.:

PI9603816-0

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System CA

Application no.:

2185444

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System SG

Application no.:

9611441-8

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

CN 96190032.6

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Double-talk Detection by Means of Spectral Content

Country of registration: Application no.:

112797

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

96/03600

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Qualcomm Inc.

55/MAS/96

Project:

UMTS

P960091

Title: Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System IN

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

116739

Ш

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Country of registration:

Application no.:

JP 521836/96

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

PI9600101

MY

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: MXApplication no.: 964085

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: PCT

Application no.: PCT/US96/00457 - WO 9621976

ID

P-941619

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for CDMA System Applications Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: CL Application no.: 28/96 Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

SG

Project: **UMTS**

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: Application no.:

9607828-2

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: 1788/94 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: CN

Application no.: 94194567.7

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: Application no.: EPO 95904955.2

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: FI 96/2573

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration:

Application no.: 1036/MAS/94

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: IL Application no.: 112056

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: JP

Application no.: 517604/95
Patent no.: 5561618
Countries applicable: JP

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: MY Application no.: PI9403073

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: Application no.:

9409702

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Doubletalk Detection by Means of Spectral Content Title:

Country of registration: **PCT**

Application no.: Patent no.:

PCT/US95/02447 - WO 95/23477

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: RU 96115176 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Double-talk Detection by Means of Spectral Content

Country of registration: MY Application no.:

Patent no.:

PI9500192

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: Application no.: 94/8425 Patent no.: 94/8425 Countries applicable: ZA

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: KR **Application no.:** 703305/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: TW
Application no.: 83110577
Patent no.: NI-72660
Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: US
Application no.: 08/173,460
Patent no.: 5561618
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: VN Application no.: S2072/96 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration: CL Application no.: 148/95 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration: ID P950313
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration:

Application no.: 95/MAS/95

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.:

96/0186

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: **PCT**

Application no.: Patent no.:

PCT/US94/14802 - WO 95/17727

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: FPO 95923081,4 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: MY

PI9402888 Application no.: Patent no.: 5414728 Countries applicable: MY

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels MX

Country of registration: Application no.:

9408488 Patent no.: 5414728 Countries applicable: MX

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

PCT

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channel

Country of registration:

Application no.: Patent no.:

PCT/US94/12448 - WO 95/12937

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: Application no.: Patent no.: Countries applicable:

RU 96112174 5414728 RU

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration:

Application no.: 94/8431 5414728 Patent no.: Countries applicable: ZΑ

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Company name: Project:

UMTS

7A

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels KR

Country of registration: Application no.:

702259/96 Patent no.: 5414728 Countries applicable: KR **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels TW

Country of registration:

Application no.: 83111686 5414728 Patent no.: Countries applicable: TW

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: Application no.:

Countries applicable:

US 08/146,645 5414728 US

Patent no.: **ETSI Deliverable:**

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

RU 96118247

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Application no.:

CA 2193103

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

701143/96

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: PCT

Application no.: PCT/US95/07684 - WO 95/35638

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

707247/96

Project: Title:

Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System KR

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Patent no.:

UMTS

Layered Channel Element In A Base Station Modem For A CDMA Cellular Communication System

Country of registration: Application no.:

US 08/261,539 5511067

ETSI Deliverable:

Countries applicable: US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: Application no.: 78777/94

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications Title:

Country of registration:

Application no.: PI9407595-6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications Title:

Country of registration: CA Application no.: 2171220

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Multirate Serial Viterbi Decoder for CDMA System Applications Title:

Country of registration: CL Application no.: 1380-94 Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: Application no.:

94193504

CN

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: 2179758 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration:

VN. Application no.: S1930/96 5414728 Patent no.: Countries applicable: VN

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. Project: **UMTS**

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System ID P941506

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System KR

Application no.:

705071/96

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title:

UMTS Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.:

Patent no.:

85100240

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title:

UMTS Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: US

08/372,632 5654979

Application no.: Patent no.: Countries applicable:

US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

VN. SC00159/96

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1185

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

ΑU 76838/94

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project:

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration:

BR

Application no.: Patent no.:

PI9407458-5

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System CA 2171008

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications System

Country of registration:

CL 1310/94

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications System

Application no.:

CN 94193342.3

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: Application no.:

JP 513320/95

Patent no.: Countries applicable:

5414728 .IP

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

Fİ 96/1113

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

111450 5414728

Project: Title:

UMTS Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels Country of registration: IL

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

IL The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System IN

831/MAS/94

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System Ш

UMTS

110880

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications System

Country of registration:

Application no.:

JÈ 508779/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

MY PI9402318

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration:

Application no.: Patent no.:

MX 9406834

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

PCT

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

PCT/US94/10087 - WO 95/07578

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications System

RU

Country of registration:

Application no.: Patent no.:

96107123

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System 7A

Country of registration: Application no.:

Patent no.:

94/6674

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration:

FΙ 96/1344

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS System

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

Country of registration: Application no.:

Patent no.:

ΕPΟ

Countries applicable:

ETSI Deliverable: Notes:

94927369.2

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Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: SE

Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: FR
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: FR

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: DE
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: DE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: GR
Application no.: 3015768
Patent no.: 0265178
Countries applicable: GR

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: IL
Application no.: 84198
Patent no.: 84198
Countries applicable: IL

ETSI Deliverable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: IT
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: IT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: JP Application no.: 261509/87

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: LU
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: LU

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature Compensated Automatic Gain Control

Country of registration: PCT

Application no.: PCT/US96/05573 - WO 96/33555

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: ES
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: ES

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: ZA
Application no.: 90/8857
Patent no.: 90/8857
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: CH
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: CH

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: GB Application no.: 87309122,7 Patent no.: 0265178

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: US
Application no.: 06/921,261
Patent no.: 4901307
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: AU
Application no.: 30597/89
Patent no.: 624120
Countries applicable: AU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: AT
Application no.: 89902364,2
Patent no.: 417099
Countries applicable: AT

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: BE
Application no.: 89902364,2
Patent no.: 417099
Countries applicable: BE

ETSI Deliverable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: CA
Application no.: 587200
Patent no.: 1310696
Countries applicable: CA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration:

Application no.: 87309122,7 Patent no.: 0265178 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing A Digital Communication Channel Title:

Country of registration:

Application no.: PCT/US95/15534 - WO 96/17454

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: CN

Application no.: 95197481,5

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: FPO 95942506,7 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration:

Application no.: FI972208

Patent no.:

Countries applicable:

ETSI Deliverable:

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Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration:

Application no.: Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: Application no.: P952539

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: Application no.:

116183

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing A Digital Communication Channel Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

Project:

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: FPO Application no.: 87309122,7 0265178

Patent no.: Countries applicable: **ETSI Deliverable:**

EPO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: Application no.:

MX974019

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: CA 549475 Application no.: Patent no.: 1294074 Countries applicable: CA

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: RU **Application no.:** 97111851

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: Application no.:

9702317-0

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration:ZAApplication no.:95/10109Patent no.:95/10109Countries applicable:ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: KR Application no.: 703635/1997

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: TW
Application no.: 85100417
Patent no.: NI-080602
Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: MY **Application no.:** PI 9402761

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: AT

Application no.: 87309122.7 Patent no.: 0265178 Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Alternating Sequential Half Duplex Communication System Title:

Country of registration: Application no.: 89902364,2 Patent no.: 417099 Countries applicable: DF

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

MY

PI9503662

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: TW Application no.: 85104244 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration: **EPO** Application no.: 89902364.2 Patent no.: 417099 Countries applicable: **EPO**

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: Application no.: 117831

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.: 522410/95

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: Application no.:

PI9601234

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: MX Application no.: 9504538

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction and Limitation in a Radiotelephone System

Country of registration:

PCT/US95/02125 - WO 95/23460 Application no.: -NA

RU

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration:

Application no.: 95122624.09

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration:

Application no.: 96/MAS/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.: 704813/95

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: Application no.:

95/5072

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: US Application no.: 08/203,151 Patent no.: 5452473 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: VN S1385/95 Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature Compensated Automatic Gain Control

Country of registration: ΑU Application no.: 55676/96

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Temperature Compensated Automatic Gain Control Title:

Country of registration: CN Application no.: 96193979,6 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Temperature Compensated Automatic Gain Control

Country of registration: EPO 96913015,2

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature Compensated Automatic Gain Control

Country of registration: Application no.:

97/3994

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Temperature Compensated Automatic Gain Control

Country of registration: JP 531982/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: BE
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: BE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: ZA
Application no.: 96/2952
Patent no.: 96/2952
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: GB
Application no.: 89902364,2
Patent no.: 417099
Countries applicable: GB
ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration:

Application no.: PI9510001-6

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Alternating Sequential Half Duplex Communication System Title:

Country of registration:

Application no.: 89902364,2 Patent no.: 417099 Countries applicable: IT

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Alternating Sequential Half Duplex Communication System Title:

JΡ Country of registration: Application no.: 502240/89

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration: ΙU Application no.: 89902364,2 Patent no.: 417099 Countries applicable: LU

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration: NL Application no.: 89902364.2

Patent no.: 417099 Countries applicable: NL

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Alternating Sequential Half Duplex Communicating System Title:

Country of registration:

Application no.: PCT/US88/04621 - WO 89/06838

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: SG
Application no.: 9608554-3
Patent no.: 640561
Countries applicable: SG

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.:

P950337

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: CH
Application no.: 89902364,2
Patent no.: 417099
Countries applicable: CH

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: FR
Application no.: 89902364,2
Patent no.: 417099
Countries applicable: FR

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration: US
Application no.: 07/145,176
Patent no.: 4979170
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: AF

Application no.: P960102118

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.: 18797/95 Patent no.: 674475 Countries applicable: ΑU

ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration:

Application no.: PI9505674-2

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: CA Application no.: 2158577

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CL

CN

95190118.4

496/96

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: **EPO** Application no.: 95911058,6

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration:

Application no.: 89902364,2 Patent no.: 417099 Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: Application no.:

P950232

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System Title:

Country of registration: ΑU Application no.: 30031/95

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: ΑIJ 18762/95 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: BR

Application no.: PI9506683-7

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: CA 2183258 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: CĹ Application no.: 145/95

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration:

Application no.: 95192207,6

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: FPO Application no.: 95910993,5

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: TW Application no.: 84100976 Patent no.: NI-86560 Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

IN

100/MAS/95

Project: **UMTS**

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: Application no.: 704311/95 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: JĖ Application no.: 521400/95

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: Application no.:

MX 963371

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: **PCT**

Application no.: PCT/US95/01831 - WO 95/22210

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: RÜ 96118486 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: ZA Application no.: 95/0797

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: Application no.: 704425/96

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

Application no.: SC0098/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: Application no.:

1840/95

FΙ

96/3153

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

98/MAS/95

IN

Country of registration:

Method And Apparatus For Providing A Communication Link Quality Indication

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

Project:

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: QUALCOMM has agreed to support approval by the European Telecommunications Standards Institute

(ETSI) of a single CDMA third generation standard that encompasses three optional modes of operation: (1) direct sequence FDD, (2) multi-carrier FDD and (3) TDD, with each mode supporting operation with

both GSM MAP and ANSI-41 networks. QUALCOMM hereby commits to the European

Telecommunications Standards Institute to license its essential patents for such single CDMA standard or

any of its modes on a fair and reasonable basis free from unfair discrimination.

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

SC0483/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.: 18369/95

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration:

PI9505642-4 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: CA Application no.: 2158157

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: CL Application no.: 144/95

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CN

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

Application no.: 95190055.2

Patent no.:

ETSI Deliverable:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: US Application no.: 08/190,517 Patent no.: 5469471 Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.: 95/4617

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System Title: BR

Country of registration:

Application no.: PI9508428-2

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

ID

Ш 112487

JP

PI9500169

P950151

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.:

520733/95

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: MXApplication no.: 9504148

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing a Communication Link Quality Indication Title:

Country of registration:

PCT/US95/01339 - WO 95/21494 Application no.:

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: RU Application no.: 95120094

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: **7**A 95/0600 Application no.: Patent no.: 95/0600 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: **EPO** Application no.: 95910159.3

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration:

Application no.: PCT/US96/10458 - WO 97/00562

Patent no.: Countries applicable:

-NA **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: US

Application no.: 08/495,382

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: Application no.:

926/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: Application no.:

FPO 96923315,4

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: FΙ Application no.:

97/4471 Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: Application no.:

Patent no.:

IN 920/MAS/96

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Country of registration: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Application no.:

P961715

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: Application no.: 118635

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title: MX

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

9710144

337083

Qualcomm Inc.

Project: **UMTS** Remote Transmitter Power Control In A Contention Based Multiple Access System

Title:

Country of registration: VN SC0593/97 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Application no.:

ZA 96/4961

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Notes:

UMTS

Country of registration:

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Application no.: Patent no.:

709454/97

Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: Application no.: 85106787

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: Application no.: 08/490,694 Patent no.: 5703902 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Modulating Signal Waveforms in a CDMA Communication System Title:

Country of registration: US Application no.: 08/223,076 Patent no.: 5497395 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: AR Application no.: P950100394

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: ΑU Application no.: 43711/96

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Temperature Compensated Automatic Gain Control Title:

Country of registration: RU Application no.: 97119052 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration:

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Application no.:

MY PI9502027

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

CA 2195984

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Remote Transmitter Power Control In A Contention Based Multiple Access System CL

Application no.: Patent no.:

1079/95

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Remote Transmitter Power Control In A Contention Based Multiple Access System

CN

Application no.:

95194312.X

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Application no.:

EPO 95926183,5

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Project: UMTS

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.: 97/0319

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System Title: IN

Country of registration:

Application no.: 844/MAS/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

ID

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

P951444 Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: ΑIJ Application no.: 63862/96

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

JP

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

505753/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel Title: CA

Country of registration: 2206251 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: MXApplication no.: 970632

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control in a Contention Based Multiple Access System Title:

Country of registration: **PCT**

Application no.: PCT/US95/08476 - WO 96/03813

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System Title:

Country of registration: RU Application no.: 97102704

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: SG Application no.: 9700545-8

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: ZA Application no.:

95/5843

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System Title:

Country of registration: Application no.: 700261/97

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

84107990

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

08/280,095

Patent no.: Countries applicable: 5604730 US

Notes:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Application no.:

IL 114703

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

56725/94

Country of registration:

Pilot Carrier Dot Product Circuit ΑIJ

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

Country of registration:

System MX

Application no.:

9401298

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control System

Country of registration: Application no.:

PH

Patent no.:

47726

Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: Application no.:

Ρİ P309726

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: Application no.:

RU

Patent no.:

Countries applicable:

95117936.09

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System SG

Country of registration:

Application no.:

9607703-7

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System 7A

Country of registration: Application no.: Patent no.:

94/0516 94/0516

Countries applicable:

ETSI Deliverable:

ZA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

KR

System

Country of registration:

Application no.:

703506/95

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Temperature Compensated Automatic Gain Control

Country of registration: Application no.:

MX978050

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1216

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: Application no.: Patent no.: Countries applicable:

US 08/020,482 5396516 US

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Ш

Country of registration: Application no.:

108445

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Pilot Carrier Dot Product Circuit

Country of registration:

BR

Application no.:

PI9307519-7

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: UMTS

Title: Country of registration:

Pilot Carrier Dot Product Circuit CA

Application no.:

Patent no.:

2150015

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Pilot Carrier Dot Product Circuit CN

Application no.:

Patent no.:

93114837.5

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Pilot Carrier Dot Product Circuit

Application no.:

FPO

Patent no.:

94902317.0

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Pilot Carrier Dot Product Circuit

Country of registration: Application no.:

95/2468

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Pilot Carrier Dot Product Circuit

Application no.:

IN 816/MAS/93

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

IL

Project: Title:

UMTS Pilot Carrier Dot Product Circuit

Country of registration: Application no.: Patent no.:

107710 107710 IL

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

System TW

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

Country of registration: Application no.: Patent no.: Countries applicable:

83100734 NI-82312

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration:

BR

Application no.: Patent no.:

PI9405695-1

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

KR 705758/95

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1218

Company name:

Qualcomm Inc.

Project:

UMTS

ES

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

94920280.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.: Patent no.:

SF 94920280.8

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

94920280.8

Project:

UMTS

CH

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver GB

Country of registration:

Application no.: Patent no.:

94920280.8

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver VN

Country of registration:

Application no.:

Patent no.:

S1634/95

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

US

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Date in a

Communications Receiver

Country of registration:

Application no.: 08/233,570 5566206 Patent no.: US Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration:

Application no.:

MY PI9400227

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System AU

Country of registration: Application no.: Patent no.: Countries applicable:

60999/94 666811 ΑU

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System .IP

Country of registration: Application no.:

Patent no.:

518994/94

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System CA

UMTS

Country of registration: Application no.:

Patent no.:

2156707

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: CN

Application no.:

94102045.2

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: Application no.:

FPO

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

94907396.3

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1220

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Fİ

Country of registration: Application no.:

95/3938

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System HU

Country of registration: Application no.:

P9403846

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: ID

Application no.:

P940267

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System IN

UMTS

Country of registration:

Application no.: Patent no.:

60/MAS/94

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Pilot Carrier Dot Product Circuit

Country of registration:

MX

Application no.:

9307373

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And System For The Dynamic Modification Of Control Parameters In A Transmitter Power Control

Country of registration:

System PCT

Application no.:

PCT/US94/01150 - WO 94/19876

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Network Echo Canceller

Country of registration: CN **Application no.:** 93118294

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Pilot Carrier Dot Product Circuit

Country of registration: Application no.:

ation: JP 513273/94

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: ZA
Application no.: 94/4074
Patent no.: 94/1074
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: KR **Application no.:** KR 705880/95

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: TW 83106259
Patent no.: NI-70651
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Noncoherent Receiver Employing a Dual Maxima Metric Generation Process

Country of registration: US
Application no.: 08/083,110
Patent no.: 5442627
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Network Echo Canceller

Country of registration: ΑU Application no.: 52918/93 Patent no.: 660243 Countries applicable: ΑU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS** Network Echo Canceller Title:

BR

RU

960101151

Country of registration: Application no.:

PI9305647-8

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: CA 2123002 Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: **PCT** PCT/US94/06602 - WO 95/01018

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: Application no.: PV1271/94

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Network Echo Canceller

Country of registration: FPO Application no.: 93923128.8

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS Network Echo Canceller Title:

Country of registration: Application no.: 94/2443

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: HU Application no.: 94/01313

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: Ш Application no.: 107100 Patent no.: 107100 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Network Echo Canceller

Country of registration: JP Application no.: 509197/94 Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Network Echo Canceller Title:

Country of registration: MX Application no.: 9305889 182419 Patent no.: Countries applicable: MX**ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Network Echo Canceller

Country of registration: ΚP Application no.: P94/328 Patent no.: 30638 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS Network Echo Canceller Title:

Country of registration: BG Application no.: 98780

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration: CA Application no.: 2165801

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver RU

Country of registration:

Application no.: 96101998

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Carrier Dot Product Circuit

Country of registration: PCT

Application no.: Patent no.:

PCT/US93/11261 - WO 94/13066

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

UMTS Project:

Title: Pilot Carrier Dot Product Circuit

Country of registration: RU

Application no.: 95113713.09

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Pilot Carrier Dot Product Circuit

Country of registration: SG Application no.: 9606738-4

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Pilot Carrier Dot Product Circuit Title:

Country of registration: Application no.: 93/8324

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Carrier Dot Product Circuit Title:

Country of registration: KR Application no.: 702142/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Carrier Dot Product Circuit Title:

Country of registration: US 08/343,800 Application no.: Patent no.: 5506865 Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: SG Application no.: 9609071-7

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration:

Application no.: PI9406851-8

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Pilot Carrier Dot Product Circuit

Country of registration: MY Application no.: PI9302459

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration:

Application no.: 94106738.6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

94921281.5

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title: FPO

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

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IN

457/MAS/94

109843

95/6253

Project: **UMTS**

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

502888/95

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

MY

Patent no.:

PI9401462

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

MX 9404748

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

ΑIJ

Country of registration:

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Application no.: Patent no.: Countries applicable: 72858/94 673097 ΑU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Notes:

UMTS

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

94/4055

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

CN 93102803.5

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

US

US

Title:

Method and System for the Arrangement of Vocoder Data for the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: Patent no.: Countries applicable: 08/194,824 5600754

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

AU 37907/93

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PI9306032-7

Project:

UMTS

BR

Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

99024

Project: Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System BG

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

CA 2130667

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

CN

Patent no.:

Countries applicable:

93102620.2

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: Patent no.:

KR 702605/94

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project:

Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

FPO 93907229.4

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Qualcomm Inc.

7A

Project: Title:

UMTS Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: 93/0450 93/0450 Patent no.: Countries applicable: ZΑ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

P9402518

Project: Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System HU

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Accessing a Base Station in a CDMA Cellular Communications System

7A

Country of registration: Application no.:

93/1077 93/1077 **7**A

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Notes:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

KR 703125/94

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

US 08/219,867 5544196 US

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

ΑÜ 37906/93

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PI9306033-5

Project:

UMTS

BR

Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

99025

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver BG

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

94/4032

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver ZA

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

94/4032 ZA

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

Patent no.:

CZ PV2127*94

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: Application no.: 95/3418

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature Compensated Automatic Gain Control US

Country of registration:

Application no.: 08/426,551

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Temperature Compensated Automatic Gain Control Title:

Country of registration: VN

Application no.: S19970959

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: US Application no.: 08/407.543 Patent no.: 5590408 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction and Limitation in a Radiotelephone System

Country of registration: US Application no.: 08/532.383 Patent no.: 5655220 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel Title:

Country of registration: Application no.: 10558/95 Patent no.: 683706 Countries applicable: ΑU

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

PI9405750-8

Project:

UMTS

Title:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Application no.:

2153148

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

TW 81101187

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

FPO

Project: Title:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: Application no.:

95901241

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

Patent no.:

PV2126/94

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel Induced Errors

Country of registration: Application no.:

FPO

Patent no.:

93904649.6

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

FI

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: Patent no.:

94/3538

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: Application no.: Patent no.: Countries applicable:

104500 104500 IL

IL

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

.IP

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: Patent no.: Countries applicable: 513395/93 5600754

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Frrors MX

Country of registration:

Application no.: Patent no.:

930442

UMTS

Countries applicable:

ETSI Deliverable: Notes:

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Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors NO

Country of registration: Application no.:

Patent no.:

94/2751

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method And System For The Arrangement Of Vocoder Data For The Masking Of Transmission Channel

Induced Errors

Country of registration:

Application no.:

PCT

Patent no.:

Countries applicable:

ETSI Deliverable:

PCT/US93/00703 - WO 93/15502

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

P305984

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel CN

Application no.:

94190922

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

IT 94920280 8

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

2130663

Project:

Title:

UMTS

Country of registration:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver CA

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver DK

Country of registration: Application no.:

94920280.8

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Notes:

UMTS

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: Application no.:

EPO

Patent no.:

94920280.8

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

FI

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

95/6091

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

FR 94920280.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

94920280.8

Project: Title:

UMTS

DF

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver GR

Country of registration:

Application no.: Patent no.:

94920280.8

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a Communications Receiver

Country of registration:

Application no.:

Patent no.:

CA 2165342

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Patent no.:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: Application no.:

IL

Countries applicable:

ETSI Deliverable:

Notes:

109842

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

BR

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

PI9406891-7

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.: Patent no.:

.IP 503020/95

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver IU

Country of registration:

Application no.:

94920280.8 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver MX

Country of registration:

Application no.: Patent no.:

9404610

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a Communications Receiver

Country of registration:

Application no.:

94920280.8

MC

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

NI

Patent no.:

Countries applicable:

94920280.8

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.: Patent no.:

PCT/US94/06956 - WO 95/01032

Countries applicable:

ETSI Deliverable:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Notes:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

PT 94920280.8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Network Echo Canceller

Country of registration:

NO 94/1904

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.: Patent no.:

ΙF 94920280.8

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

RU 94045819.09

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

EPO 93907228.6

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

94/4057

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

P9402519

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.: Patent no.:

IL 104911 104911 IL

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

JP

Country of registration:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Application no.: Patent no.:

515898/93

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver MX

Country of registration: Application no.: Patent no.: Countries applicable:

9301231 182178 MX

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

ΚP P94/364

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

CN

Title:

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.: 94107503

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

94/01474

Project: Title:

UMTS Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver RO

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

SG

9608041-1

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

PV1053/94

Project: Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

93/1406

Country of registration:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver ZA

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

Application no.:

KR 703124/94

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

Application no.: 07/847,149 Patent no.: 5392287 Countries applicable: US

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver Title:

Country of registration: Application no.: 08/206,701 Patent no.: 5509015 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: AU Application no.: 71136/94

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: AT Application no.: 94920280.8

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver BE

Country of registration:

Application no.: 94920280.8

Patent no.:

Countries applicable:

ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Apparatus And Method For Reducing Power Consumption In A Mobile Communications Receiver

Country of registration:

Application no.: PCT/US93/01981 - WO 93/18596

Patent no.:

Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: RO Application no.: 94/00586

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: IN
Application no.: 887/MAS/90
Patent no.: 4901265
Countries applicable: IN

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: US
Application no.: 07/433,031
Patent no.: 5056109
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: UA
Application no.: M3B02922

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: TW
Application no.: 79109543
Patent no.: NI-50434
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: KR
Application no.: 700706/91
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

90/8859

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Application no.:

701741/93

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

RU 93058305

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor SK

Application no.: Patent no.:

PV571/93

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method And Apparatus For Controlling Transmission Power In A CDMA Cellular Mobile Telephone System

Country of registration:

PCT

Application no.: Patent no.:

PCT/US90/06418 - WO 91/07037

Countries applicable:

ETSI Deliverable:

-NA

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System NO

Country of registration: Application no.: Patent no.:

92/1792

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: MX
Application no.: 23215
Patent no.: 172367
Countries applicable: MX

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration:
Application no.:
Patent no.:

P19001953 MY104785A MY

Countries applicable: ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: JP

Application no.: 515716/90

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Decoupling Capacity from Coverage in a Wireless System

Country of registration: US Application no.: US 08/70

Application no.: 08/709,244 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration:
Application no.:

SG 9609122-8

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepare

tes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: IL 100213 Patent no.: 100213 Countries applicable: IL

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

US

Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.:

08/838,240

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration:

BR

Application no.: Patent no.:

PI9107213-1

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Title: Country of registration:

BG

Application no.:

97842

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

2097066

Project: **UMTS** Title:

Country of registration:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor CA

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor C7

Country of registration:

Application no.:

Patent no.:

PV1097/93

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Application no.:

EPO 92902074.1

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: Application no.: 80109580 Patent no.: NI-58957 Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: Application no.:

HU P9301626

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System Title: HU

Country of registration: Application no.:

P9303239

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: JP 502863/92

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: MXApplication no.: 9102432 Patent no.: 173446 Countries applicable: MX

ETSI Deliverable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: ΚP Application no.: 93/246 Patent no.: 29763 Countries applicable: ΚP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: NO Application no.: 93/2041

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

> RO 93/00776

Project: UMTS

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: RU

Application no.: 93043671.09

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: FΙ Application no.: 93/2523

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: KR Application no.: 709147/97

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System Title:

Country of registration: Application no.: 96218 Patent no.: 96218 Countries applicable: IL

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: FΙ Application no.: 97/1423

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels Title:

Country of registration: Application no.:

EPO 96926056,1

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels Title:

Country of registration: CN

Application no.: 96190980,3

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: CA Application no.: 2202621

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: Application no.:

ΑU 66356/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels Title:

Country of registration: RU Application no.: 97105180

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: TW Application no.: 85108615

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Signal Acquisition In A Multi-User Communication System Using Multiple Walsh Channels Title:

Country of registration: Application no.: 08/497,240 Patent no.: 5577025 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration: ZA Application no.: 96/4332 Patent no.: 96/4332 Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: PCT/US96/09684 - WO 96/42149 Application no.: -NA

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: IL Application no.: 118562

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration:

Application no.: 866/MAS/96 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: Application no.: 199800039

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Fast and Efficient Packet Transmission System and Method Title: CN

Country of registration:

Application no.: 96194583,4

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration: US Application no.: 08/794,630

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System Title:

Country of registration: FPO 90916945.0 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Soft Decision Output Decoder for Decoding Convolutionally Encoded Codewords

Country of registration: **PCT**

Application no.: WO 98/20617

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Soft Decision Output Decoder for Decoding Convolutionally Encoded Codewords Title:

Country of registration: Application no.:

US 08/743,688

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Providing High Speed Data Communications in a Cellular Environment

Country of registration: PCT

Application no.: WO 98/19481

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing High Speed Data Communications in a Cellular Environment Title:

Country of registration: Application no.:

08/741,320

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System and Distributed Antenna System Therefor Title:

Country of registration: US Application no.: 07/849,651 Patent no.: 5280472 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: ΑU Application no.: 76390/94 Patent no.: 0667068 Countries applicable: ΑU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Signal Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration:

Application no.: PCT/US96/11125 - WO 97/02663

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System Title:

Country of registration: Application no.: 92/2083

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Decoupling Capacity from Coverage in a Wireless System

Country of registration:

Application no.: WO 98/09460

PCT

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: CN
Application no.: 9109758.6
Patent no.: 90109758.6
Countries applicable: CN

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: CA **Application no.:** 2072389

Patent no.: Countries applicable:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: BG **Application no.:** 98704

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: BR
Application no.: P19007826-8
Patent no.: P19007826-8

Patent no.: P19
Countries applicable: BR

Countries applicable: BF ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: AU
Application no.: 68263/90
Patent no.: 646001
Countries applicable: AU
ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: Application no.:

VN SC0771/97

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Dual Distributed Antenna Systems

Application no.:

94926602.7

Patent no.: Countries applicable: 0667068 AT

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Linear Gain Control Amplifier

Country of registration: Application no.:

MX 9101591

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

08/656,652

Bright and Burst Mode Signaling Data Transmission in an Adjustable Rate Wireless Communication System

US

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Reduced Peak-to-Average Transmit Power High Data Rate In A CDMA Wireless Communication System US

Country of registration:

Application no.:

08/660,438

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Linear Gain Control Amplifier

Country of registration: Application no.:

ΑU 89430/91 648364

Countries applicable: **ETSI Deliverable:**

Notes:

Patent no.:

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Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: E

Application no.: PI9107044-9

Patent no.: Countries applicable:

ETSI Deliverable:
Notes: The SIGNATO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: Application no.:

CA 2094133

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

FPO

92902054.3

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:
Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reduced Peak-to-Average Transmit Power High Data Rate CDMA Wireless Communication System

Country of registration: AR
Application no.: P 97 01 02 477

Application no.:
Patent no.:
Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: JP
Application no.: 500744/92
Patent no.: 5099204
Countries applicable: JP

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Data Rate CDMA Wireless Communication System

Country of registration: US **Application no.:** US 08/654,443

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: NO **Application no.:** 93/1376

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: PCT

Application no.: PCT/US91/07702 - WO 92/07424

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: KR **Application no.:** 701125/93

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: TW
Application no.: 80108121
Patent no.: NI-55654
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration:
Application no.:
Patent no.:
Countries applicable:
US
US
US
5099204
US

ETSI Deliverable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: AU
Application no.: 91336/91
Patent no.: 652602
Countries applicable: AU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: Application no.: 93/1690

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus of Power Control in a CDMA Dispatch System Title:

Country of registration: Application no.:

PI9702458

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone Title:

Country of registration: US

Application no.: 08/672,205

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing A Con Of Silence In A Cellular Communications System

Country of registration: PCT PCT/US97/08670 - WO 97/44969

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

US

08/651,368

Project: **UMTS**

Title: Method And System For Providing A Cone of Silence in A Cellular Communication System

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For performing Idle Handoff In A Multiple Access Communication System Title: PCT

Country of registration: Application no.: WO 97/47154

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Performing Idle Hand-Off in a Multiple Access Communication System

Country of registration: Application no.: 08/660,436

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For High Rate Data Transmission In A Spread Spectrum Communication System Title:

Country of registration:

PCT/US97/09287 - WO 97/46044 Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Subscriber Unit for A CDMA Wireless Communication System Title:

Country of registration: **PCT**

Application no.: WO 97/47098

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus of Power Control in a CDMA Dispatch System Title:

Country of registration: CL Application no.: 1069-98

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Measuring Link Quality in a Spread Spectrum Communication System

Country of registration:

PCT Application no.: WO 98/13951

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus Of Power Control In A CDMA Dispatch System Title:

Country of registration:

Application no.: WO 97/47094 Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

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Project: UMTS

Title: Method and Apparatus of Power Control in a CDMA Dispatch System

Country of registration: Application no.: 86107608

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus of Power Control In A CDMA Dispatch System Title:

Country of registration:

Application no.: 08/660,618

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

High Data Rate CDMA Wireless Communication System Title:

Country of registration: IN

Application no.: 1094/MAS/97

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Subscriber Unit For CDMA Wireless Communication system

Country of registration: PCT

Application no.: PCT/US97/09606 - WO 97/45970

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: High Data Rate CDMA Wireless Communication System

Country of registration: TW Application no.:

86106725

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Rate Scheduled Data in a Spread Spectrum Communication System Title:

Country of registration: US

Application no.: 08/656,649

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Reliable Hand-off in a CDMA System

Country of registration:

Application no.: 08/695,241

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Transmission Of Signaling Data In An Adjustable Rate Wireless Communication System

Country of registration: PCT

Application no.: PCT/US97/09288 - WO 97/45976

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: US
Application no.: 07/620,092
Patent no.: 5107225
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Load Monitoring And management In A CDMA Wireless Communications System

Country of registration: PCT WO 98/05129

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Load Monitoring and Management in a CDMA Wireless Communication System

Country of registration: Application no.:

US 08/688.453

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communications

Country of registration: System CL

Application no.: 2153/97

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communication

Country of registration:

PCT

Application no.: Patent no.:

WO 98/18242

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

High Dynamic Range Closed Loop Automatic Gain Control Circuit

Application no.:

701621/93

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Reliable Intersystem Handoff in a CDMA System

Country of registration:

PCT

Application no.:

Patent no.:

WO 98/062390

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Coherent Signal Processing for CDMA Communication System

Country of registration:

Application no.:

AR P970103424

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Notes:

UMTS Coherent Signal Processing for CDMA Communication System

Country of registration: Application no.:

CL 1470-97

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Coherent Signal Processing for CDMA Communication System

Country of registration: ID Application no.: P-972604

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Coherent Signal Processing For CDMA Communication System Title:

Country of registration: PCT

WO98/05128 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Coherent Signal Processing for CDMA Communication System Title:

Country of registration: TW Application no.: 86110785

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Coherent Signal Processing for CDMA Communication System

Country of registration: US 08/687,899 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communications

System

Country of registration: US Application no.: 08/730,863 Patent no.: 5751725 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

UMTS Project:

High Dynamic Range Closed Loop Automatic Gain Control Circuit Title:

Country of registration: FΙ Application no.: 93/2238

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Measuring Link Quality in a Spread Spectrum Communication System

Country of registration: Application no.:

US 08/722,763

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

Project: Title:

Using A Signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA

Cellular Telephone System PCT

Country of registration:

Application no.: Patent no.:

WO 97/47148

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Using

Using a signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA

Cellular Telephone System US

Country of registration:

Application no.: Patent no.:

08/659,407

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: AU
Application no.: 12416/92
Patent no.: 652807
Countries applicable: AU

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration:

BR PI9107139-9

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: UMTS

High Dynamic Range Closed Loop Automatic Gain Control Circuit

Title:
Country of registration:
Application no.:

BG 97790

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: TW
Application no.: 80109524
Patent no.: NI-64280
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: EPO 92904567.2

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration: ZA
Application no.: 96/4962
Patent no.: 96/4962
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: HÜ
Application no.: P9301576

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: JP Application no.: 504281/92

Patent no.:

ETSI Deliverable:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: MX
Application no.: 9102309
Patent no.: 174813
Countries applicable: MX

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: NO **Application no.:** NO 93/1949

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Range Dynamic Closed Loop Automatic Gain Control Circuit

Country of registration: Pe

Application no.: PCT/US91/08962 - WO 92/10028

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: RO **Application no.:** 93/00674

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: CA Application no.: CA 2093638

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna Systems

Country of registration: EPO
Application no.: 94926602.7
Patent no.: 0667068
Countries applicable: EPO

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna Systems

Country of registration:

Application no.: 94926602.7
Patent no.: 0667068
Countries applicable: IE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method of Searching for a Bursty Signal

Country of registration: Application no.: 97/4132

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station Title:

Country of registration: Application no.:

9408385

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: BE Application no.: 94926602.7 Patent no.: 0667068 Countries applicable: BE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title: BR

Country of registration:

Application no.: PI9405563-7

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: **Dual Distributed Antenna Systems**

Country of registration: CA Application no.: 2147635

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: Application no.: P961192 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: DK

Application no.: 94926602.7 Patent no.: 0667068 Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method of Searching for a Bursty Signal Title:

Country of registration:

Application no.: 118116

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: FΙ Application no.: 95/1935

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: FR 94956602.7 Application no.: Patent no.: 0667068 Countries applicable: FR

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: **Dual Distributed Antenna Systems**

Country of registration: DE Application no.: 94926602.7 Patent no.: 0667068 Countries applicable: DE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: Application no.: 3023316 Patent no.: 0667068 Countries applicable: GR

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: ID Application no.: P941435

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration:

08/898,741

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: CL Application no.: 1209/94

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: TW Application no.: 85104646 Patent no.: NI-084157 Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Random Access Communications Channel for Data Services

Country of registration: JP Application no.: 535004/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration: Application no.: 97/3654 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: Application no.: 96909525,9

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration:

Application no.: 96192618.X

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration: BR

Application no.:

Patent no.:

PI9607869-3

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: ΑIJ Application no.: 52985/96

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

IL

111433

Project: **UMTS**

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

US

Country of registration: Application no.:

08/436,029

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: Application no.: 110765

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method of Searching for a Bursty Signal Title:

Country of registration: Application no.:

707876/97

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: ZA Application no.: 96/3188 Patent no.: 96/3188 Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title: Country of registration: PCT/US96/07567 - WO 96/35268 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

-NA

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method of Searching for a Bursty Signal

Country of registration: MXApplication no.: 978514

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration:

Application no.: PI 9601523

Patent no.: Countries applicable: **ETSI Deliverable:**

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Qualcomm Inc.

Project:

UMTS

Title:

Method of Searching for a Bursty Signal

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method of Searching for a Bursty Signal

Country of registration: Application no.:

SI9971019

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

IL 116945

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

801/MAS/94

Project: Title:

UMTS

Country of registration:

Dual Distributed Antenna Systems IN

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Notes:

UMTS

Country of registration:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Application no.:

TW 85100239

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.: Patent no.:

96/0226 96/0226

Countries applicable: **ETSI Deliverable:**

ZA

Notes:

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Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

PCT/US96/01614 - WO 96/24232

Qualcomm Inc.

Country of registration: RU Application no.: 97114841

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS Method and Apparatus for Paging a Concentrated Subscriber System for Wireless Local Loop

Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

-NA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop Title:

Country of registration: MX 975787

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

US 08/382,472 Application no.: Patent no.: 5544223 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS

523785/96

JP

VN

S19970671

Project:

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: **UMTS**

Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

ETSI

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

ID P-960227

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

58/MAS/96

Project:

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Company name:

Project:

Qualcomm Inc.

96903788,6

UMTS Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop FPO

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS BR

CL

44-96

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

PI9607165-6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

P960101207

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Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: MY

Application no.: PI 9600327

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Dual Distributed Antenna Systems Title:

Country of registration: Application no.:

94926602.7

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: IT

Application no.: 94926602.7 Patent no.: 0667068 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

JΡ

Country of registration: JP 507763/95 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: **Dual Distributed Antenna Systems**

Country of registration: LU Application no.: 94926602.7 Patent no.: 0667068 LU

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: Application no.: PI9402213 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: MXApplication no.: 9406513

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration:

Application no.: 94926602.7

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna System Title: Country of registration: PCT PCT/US94/09657 - WO 95/06365 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Random Access Communications Channel for Data Services

Country of registration: **PCT**

Application no.:

PCT/US96/06930 - WO 96/37079

Patent no.: -NA

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration:

Application no.: 95109926.09

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: **Dual Distributed Antenna Systems** SG

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Dual Distributed Antenna Systems Title:

Country of registration: Application no.: 94/6418 Patent no.: 94/6418 Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: CL Application no.: 634/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: ΑIJ Application no.: 61458/96 Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method of Searching for a Bursty Signal

Country of registration: AR Application no.: 336,402

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration:

Application no.: 94926602.7 Patent no.: 0667068 Countries applicable: NL **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Early Detection of Mobile to Mobile

Country of registration:

Application no.: 08/535,998

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration: Application no.:

976979

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: ΑU Application no.: 54323/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Mobile Assisted CDMA to Alternative System Hard Handoff Title:

Country of registration: AR Application no.: 335,584 Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: Application no.:

AR 335584

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: Application no.: 335,584

Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: **Dual Distributed Antenna System**

Country of registration: US Application no.: 08/579,895

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: Application no.:

2216635

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Early Detection of Mobile to Mobile Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

96192896,4

Project: **UMTS**

Title:

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off CN

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Early Detection of Mobile to Mobile

Country of registration: ZA Application no.: 96/8111 Patent no.: 96/8111 Countries applicable: ZA

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Early Detection of Mobile to Mobile Title:

Country of registration:

Application no.: PCT/US96/15695 - WO 97/12493 Patent no.:

Countries applicable:

-NA

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Early Detection of Mobile to Mobile

Country of registration: Application no.: P-962770

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Early Detection of Mobile to Mobile Title:

Country of registration:

Application no.: 1718/MAS/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Early Detection of Mobile to Mobile Title:

Country of registration: IN

Application no.: 1718/MAS/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Early Detection of Mobile to Mobile Title: ID

P-962770

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: **Dual Distributed Antenna System**

-NA

Country of registration: **PCT**

Application no.:

PCT/US96/20656 - WO 97/24818 Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: US Application no.: 08/413,306 Patent no.: 5594718 Countries applicable: US

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone

Country of registration: MY Application no.: PI9702780

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration:

Application no.:

PCT/US96/10576 - WO 97/00585

Patent no.: Countries applicable:

-NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Country of registration: Ш

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration: Application no.:

ID P961747

118652

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration: Application no.: Patent no.:

927/96

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: BF

Application no.: PI9607947-8

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Generating Super-Orthogonal Convolutional Codes and the Decoding Thereof

Country of registration: US
Application no.: 07/489,677
Patent no.: 5193094
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: US **Application no.:** US 08/958,882

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: KR
Application no.: 706898/97

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: RU Application no.: 97117981

Patent no.: Countries applicable:

ETSI Deliverable:

E I SI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Mobile Assisted CDMA to Alternative System Hard Handoff

Country of registration: Po

Application no.: PCT/US96/04158

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: Application no.: P-960849

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Mobile Assisted CDMA to Alternative System Hard Handoff Title:

Country of registration: Application no.:

P-960849

FPO

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration:

Application no.: 96911435,4 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration: AR Application no.: 337,111 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Random Access Communications Channel For Data Services

Country of registration: Application no.:

S19971059

VN

Patent no.:

Title:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: CN Application no.:

96192934

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

CL 422-96

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Qualcomm Inc.

422/96

422-96

Project:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Title:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System CL

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration:

Application no.: 2216729

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

CA

Country of registration:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Application no.:

ΑU 53782/96

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

CL

1659/96

Project: Title:

Early Detection of Mobile to Mobile

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration:

Application no.: Patent no.:

P960101810

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: Application no.:

VN

Patent no.:

S19970810

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS US

Country of registration:

Random Access Communications Channel for Data Services

Application no.: Patent no.:

08/412,648 5673259

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Random Access Communications Channel For Data Services

Country of registration:

KR

Application no.:

Patent no.:

708218/98

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: Application no.:

9704195-8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Random Access Communications Channel For Data Services

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Application no.:

85107055

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

AR 335.810

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

PI 9601062

Country of registration:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System MY

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Random Access Communications Channel For Data Services MX

Application no.:

978855

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Notes:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

TW 85102765

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.: 85102765

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System Title:

Country of registration: Application no.:

706897/97

7A

96/2030

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System Country of registration: **7**A

96/2030 Application no.: Patent no.: 96/2030 Countries applicable: **7**A

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

EPO 96910643.4

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System Title:

Country of registration: Application no.:

PCT/US96/04325 - WO 96/31014

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

P-960811

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration:

PI 9601062

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System JΡ

Country of registration:

Application no.: 529674/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Ш 117687

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration:

IL Application no.: 117687

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

P-960811

Country of registration: Application no.:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Early Detection of Mobile to Mobile

Country of registration: Application no.:

AR 338304

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

RU 97117953

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PCT/US97/06326 - WO 97/39537

Project: Title:

UMTS

Country of registration:

System and Method for Reducing Interference Generated by a Digital Communication System PCT

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration:

Application no.:

JP 501047/91 - WO 89/06884

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

Countries applicable:

Patent no.:

ETSI Deliverable: Notes:

FΙ 97/2991

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

ID

Title:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.: Patent no.:

P-970030

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title:

Country of registration: IN

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

UMTS

2079/MAS/96

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PCT/US96/20764 - WO 97/23108

Project: Title:

UMTS Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction with the GSM A-Interface Telecommunications Network Protocol

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

PCT

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

96/10717

Project: Title:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol ZA

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

CL

Title:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

2274-96

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS GSM Network compatible CDMA based air interface

Country of registration:

Application no.:

US

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

08/575,413

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.: Patent no.:

AU 16893/97

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS
Soft Hand-off in Communications in a CDMA Cellular Telephone System

Title: Country of registration:

SG

Application no.:

9608720-0

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Soft Handoff In A CDMA Cellular Telephone System

Country of registration:

Application no.:

PCT WO 91/07020

Patent no.:

Countries applicable: ETSI Deliverable:

-NA

NO

92/1793

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: UMTS
Title: Soft H

Country of registration:

Soft Hand-off in Communications in a CDMA Cellular Telephone System

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS
Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: Application no.: Patent no.:

MX 23214 173031 MX

Countries applicable: ETSI Deliverable:

Notes:

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Soft Hand-off in Communications in a CDMA Cellular Telephone System MY

Country of registration: Application no.:

PI9001938 MY10591A MY

Countries applicable: ETSI Deliverable:

Notes:

Patent no.:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: MC

Application no.: 93903541.6

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction Title:

with the GSM A-Interface Telecommunications Network Protocol TW

Country of registration: Application no.:

Patent no.:

86101450

MC

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: KR Application no.: 703318/92

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

System And Method For Generating Signal Waveforms In A CDMA Cellular Telephone System PCT

Country of registration: Application no.: PCT/US91/04400

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System ΡŤ

Country of registration: Application no.:

Patent no.:

98079

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

RO 92/01620

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

RÜ 92016467

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Qualcomm Inc.

9608524-6

Project: Title:

UMTS

Country of registration:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System 92120519

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: **UMTS**

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System SG

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

96192005.I

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol CN

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Notes:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System 7A

Country of registration: Application no.:

Patent no.:

91/4847

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Soft Hand-off in Communications in a CDMA Cellular Telephone System IL

Country of registration: Application no.:

96219 96219 IL

Countries applicable: **ETSI Deliverable:**

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.: 80105598 Patent no.: NI-54919 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: Application no.: 07/543,496 Patent no.: 5103459 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: VΕ Application no.: 823/91

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Frequency Tracking for Communication signals Using M-ary Orthogonal Walsh Modulation

Country of registration: PCT Application no.: PCT/US97/06379 - WO 97/37437

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Frequency Tracking for Orthogonal Walsh Modulation

Country of registration: US Application no.: 08/625,481

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: **UMTS**

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction Title:

with the GSM A-Interface Telecommunications Network Protocol

Country of registration: AR Application no.:

96/10718

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

SK

PV3871/92

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

GR

Application no.:

93903541.6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and System for Providing a Soft Hand-off in Communications in a CDMA Cellular Telephone

System

Country of registration:

Application no.:

JP 501047/91

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS** Title:

Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.:

1345/94

CL

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.:

CN

UMTS

Patent no.:

93101741.6

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Method and Apparatus For the Formatting of Data For Transmission

Application no.:

DK

Patent no.:

93903541.6

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 93903541.6

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.: 93903541.6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: BR

Application no.:

Patent no.:

PI9305758-0

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: DF Application no.:

93903541.6 Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

BE

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

Application no.: 93903451.6

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.: 93903541.6

Countries applicable:

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 104412 Patent no.: 104412 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.: 93903541.6

Patent no.:

Countries applicable:

ETSI Deliverable:

IT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

JΡ Country of registration: Application no.: 512691/93 Patent no.:

Countries applicable:

JΡ **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: HU 93903541.6 Application no.:

Patent no.: Countries applicable:

LU **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone

Country of registration: TW Application no.: 86108972

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: 93903541.6

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And Apparatus For Decoding Variable Rate Data

Country of registration: US Application no.: 08/741,273

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration:

Application no.: 888/MAS/90

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

FΙ

92/2081

Project: **UMTS**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration: **EPO** 91900460.6 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CA

Project: **UMTS**

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration:

Application no.: 90109068.8

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration:

Application no.: PI9007828-4

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: ΑU Application no.: 69041/91

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: 2128327

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Decoding Variable Rate Data Title:

Country of registration: **PCT**

Application no.: WO 98/19431

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: MY Application no.: PI9101131 Patent no.: MY108626 MY

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For The Formatting Of Data For Transmission

Country of registration: **PCT**

Application no.: PCT/US93/00406

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: US Application no.: 07/825,147 Patent no.: 5416797 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1297

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: US
Application no.: 07/858,781
Patent no.: 5309474

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: AU
Application no.: 34767/93
Patent no.: 668378
Countries applicable: AU

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: AT
Application no.: 47911/96
Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method For Reducing Interference Generated By A Digital Communications Device

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

JP

Project: UMTS

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration: Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: ΝÔ Application no.: 92/5019

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: Application no.:

85111160

US

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration:

Application no.: 08/518,217

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration: AR Application no.: 337753 Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration: Application no.:

CL 1340/96

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration:

Application no.: Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and System for Processing a Plurality of Multiple Access Transmissions

Country of registration: PCT

Application no.: PCT/US96/13651 - WO 97/08846

119057

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Time Division Duplex Pilot Signal Generation

Country of registration: **PCT** PCT/US96/13009 - WO 97/07646

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

-NA

Project: **UMTS**

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration: 96/6506 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

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Project: UMTS

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration: Application no.: 85113571 Patent no.: NI-087166 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration: Application no.: 08/515,501 Patent no.: 5680395 Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Same Frequency, Time-Division-Duplex Repeater Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration: ID P-962322 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Adaptive Depressor

Country of registration: **PCT**

Application no.: PCT/US96/12531 - WO 97/05709

Patent no.: Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Application no.: 700704/91 Patent no.:

Countries applicable: **ETSI Deliverable:**

Country of registration:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project:

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: Application no.: 79109540 Patent no.: NI-49350 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and System for Providing a Soft Hand-off in Communications in a CDMA Cellular Telephone Title:

System Country of registration: US Application no.: 07/433,030 Patent no.: 5101501 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Adaptive Despreader

Country of registration: AR Application no.: 337,599

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS** Title:

Adaptive Despreader Country of registration: CL

Application no.: 1237/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Adaptive Despreader

Country of registration: ID P962182 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method And System For Processing The Plurality Of Multiple Access Transmissions

Country of registration: ZA Application no.: 96/7115 Patent no.: 96/7115 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Adaptive Despreader

Country of registration: Application no.:

MY PI9603097

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Station Assisted Soft Hand-off in a CDMA Cellular Communications System

Country of registration: US
Application no.: 07/847,148
Patent no.: 5267261
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Adaptive Despreader

Country of registration: ZA
Application no.: 96/6011
Patent no.: 96/6011
Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Adaptive Despreader

Country of registration: TW
Application no.: 85110590
Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Adaptive Despreader

Country of registration: US
Application no.: 08/509,722
Patent no.: 5692006
Countries applicable: US

ETSI Deliverable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Canceling Echo Accounting for Delay Variations

Country of registration: US
Application no.: 08/533,883
Patent no.: 5675644
Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And System For Processing The Plurality Of Multiple Access Transmissions

Country of registration: Application no.: 337987

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: Application no.:

1467/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Adaptive Despreader Title: JΡ

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System FPO

Country of registration: Application no.:

91915727.1

UMTS

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: Application no.:

US 08/558,557

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: AR Application no.: 320019 Patent no.: 249917 Countries applicable: AR

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: ΑU Application no.: 84016/91 Patent no.: 652956 Countries applicable: ΑU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration:

Application no.: PI9106592-5

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: CA Application no.: 2085890

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: CN Application no.: 91105315.8

Patent no.: Countries applicable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Time Division Duplex Repeater for use in a CDMA System

Country of registration: **PCT**

Application no.: PCT/US96/13868 - WO 97/08854

Patent no.:

-NA

ETSI Deliverable:

Countries applicable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: EG Application no.: 390/91

Patent no.: Countries applicable: **ETSI Deliverable:**

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Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: US
Application no.: 07/432,552
Patent no.: 5109390

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

92/5812

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: HU **Application no.:** 92/04111

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

IN

474/MAS/91

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: IL
Application no.: 98598
Patent no.: 98598
Countries applicable: IL

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: JP Application no.: 514045/91 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

Application no.: 93903541.6

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration:

PV3871/92 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: IL Application no.: 96220 Patent no.: 96220 Countries applicable: IL

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: MX 26360 Application no.: Patent no.: 173818 Countries applicable: MX

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Station Assisted Soft Hand-off in a CDMA Cellular Communications System

Country of registration: US Application no.: 08/226.222 Patent no.: 5640414 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: Application no.: 68748/91 Patent no.: 649987 Countries applicable: ΑU

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: CA **Application no.:** 2072876

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: C

Application no.: 90109064.6

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration:

Application no.: 90917730.5

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: PCT

Application no.: PCT/US96/18293 - WO 97/20402

IN

FPO

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration:

Application no.: 889/MAS/90

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: Al

Application no.: P 96 01 05 407

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: JP Application no.: 500495/91

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: PI9001952 Application no.: Patent no.: MY104809A MY

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: MX Application no.: 23211 Patent no.: 173030 Countries applicable: MX

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: NO 92/1794 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Diversity Receiver In A CDMA Cellular Telephone System

Country of registration: **PCT**

PCT/US90/06417 - WO 91/07036 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: Application no.: 700705/91

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Same Frequency, Time-Division-Duplex Repeater

Country of registration: Application no.: 08/522,469

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: Application no.:

92/2082

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer With Hard Limiter Title:

Country of registration: **PCT**

Application no.:

Patent no.:

PCT/US90/06058 - WO 91/15056

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: US Application no.: 07/502,101 Patent no.: 5028887 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: FR Application no.: 91903171.6 Patent no.: 521859 Countries applicable: FR

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter Title:

Country of registration: Application no.: 91903171,6 Patent no.: 521859 Countries applicable: DE **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: GR
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: GR

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: IT
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: IT

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limited

Country of registration: JP Application no.: 503193/91

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: DK
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: DK

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: NL
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: NL

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: CA
Application no.: 2079320
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: KR **Application no.:** 91-4959

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: ES
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: ES

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: SE

 Application no.:
 91903171,6

 Patent no.:
 521859

 Countries applicable:
 SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: CH
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: CH

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: TW Application no.: 80104170

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: MX
Application no.: 930236
Patent no.:
Countries applicable: MX

ETSI Deliverable:

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Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: Application no.:

91903171,6 Patent no.: 521859 Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Coexisting GSM and CDMA Wireless Telecommunications Network Title:

Country of registration: PCT

Application no.: PCT/US97/00926 - WO 97/31503

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and method For reducing AM-Interference Generated By A CDMA Communications Device Title:

Country of registration: **PCT**

Application no.:

Patent no.:

PCT/US97/07174 - WO 97/41653

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Reducing Interference Generated By a CDMA Communications Device Title:

Country of registration: TW Application no.: 96107694

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Eliminating Interference to a Hearing Aid from a Digital Communication Device

(CDMA) ÙS

Country of registration: Application no.:

Patent no.:

Notes:

08/639,572

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

UMTS Project:

Title: Method And Apparatus For Hard Handoff In A CDMA System

Country of registration: **PCT** Application no.: WO 97/44984

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Hard Hand-off in a CDMA System

Country of registration: U

Application no.: 08/652,742

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: A

Application no.: P 97 01 06 657

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: EPO
Application no.: 91903171,6
Patent no.: 521859
Countries applicable: EPO

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: ID P-970326 Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Preferred System Selection

Country of registration: PCT

Application no.: PCT/US97/06378 - WO 97/36443

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: ZA Application no.: 97/1478 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: TW Application no.: 86101453

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Coexisting GSM and CDMA Wireless Telecommunications Network Title:

Country of registration: Application no.:

08/604,786

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter Title:

Country of registration: ΑU Application no.: 70773/91 Patent no.: 657261 Countries applicable: AU

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: AT Application no.: 91903171,6 Patent no.: 521859 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: BE Application no.: 91903171.6 Patent no.: 521859 Countries applicable: ΒE

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Coexisting GSM and CDMA Wireless Telecommunications Networks Title:

Country of registration: CL Application no.: 200-97 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And Apparatus For Measurement Directed Hard Hand-off In A CDMA System

Country of registration:

Application no.: 08/652,726

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter Title:

Country of registration: Application no.: Patent no.:

91903171,6 521859 GB

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: RU

Application no.:

Patent no.:

93058657.24

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: ZA Application no.: 92/4082 Patent no.: 92/4082 Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: TW
Application no.: 81101162
Patent no.: NI-58204
Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Variable Rate Vocoder

Country of registration: PCT

Application no.: PCT/US92/04605 - WO 92/22891

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Measurement Directed Hard Handoff In A CDMA System

Country of registration: PCT

Application no.:

Patent no.:

PCT/US97/08677 - WO 97/44970

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: NO Application no.: 93/4544

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Providing Diversity In Hard Handoff For A CDMA System

Country of registration: PCT

Application no.: WO 97/44983

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Diversity in Hard Handoff for a CDMA System

Country of registration:

Application no.: Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Providing Diversity in Hard Handoff for a CDMA System

Country of registration: Application no.: 86106697

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Providing Signal Diversity In A CDMA Communication System Title:

Country of registration:

Application no.: 08/651,430

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone Title:

Country of registration: CL Application no.: 1233-99

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Searching for a Bursty Signal Title:

Country of registration: FPO 96919001,6 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: Application no.: 92104618.9 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Performing Preferred System Selection

Country of registration:

Application no.: 08/626,744

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Preferred System Selection Title:

Country of registration:

Application no.: PCT/US97/06380 - WO 97/36452

US

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Performing Preferred System Selection Title:

Country of registration:

Application no.: 08/626,743

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Inter-System Calling Supporting Inter-System Soft Handoff

Country of registration: PCT

Application no.: PCT/US97/07412 - WO 97/41698

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Inter-System Calling Supporting Inter-System Soft Hand-off

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: AU Application no.: 21865/92 Patent no.: 671952 Countries applicable: ΑU

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration:

Application no.:

Masking Frame Errors in a Variable Rate Vocoder

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Masking Frame Errors in a Variable Rate Vocoder

Application no.:

2102099

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration: Application no.:

CL 743-98

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Masking Frame Errors in a Variable Rate Vocoder

Application no.: Patent no.:

FPO 92913505.1

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS Masking Frame Errors in a Variable Rate Vocoder

Title: Country of registration:

FΙ

Application no.: Patent no.:

93/5597

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Masking Frame Errors in a Variable Rate Vocoder

Country of registration: Application no.: Patent no.:

P9303533

Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration:

Application no.: 102146
Patent no.: 5414796
Countries applicable: IL

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: JP 500902/93 Patent no.: 5414796 Countries applicable: JP

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: MX
Application no.: 922808
Patent no.: 179172
Countries applicable: MX

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: BR
Application no.: Pl9206143-5
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration: MY
Application no.: PI 9701775

Patent no.:

ETSI Deliverable:

Countries applicable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Company name:

Project: UMTS

Title: Method And Apparatus For Controlling Transmission Power In A CDMA Cellular Mobile Telephone

System **PCT**

Qualcomm Inc.

Country of registration:

Application no.: Patent no.:

PCT/US92/04161 - WO 92/21196

Countries applicable:

ETSI Deliverable:

-NA

JP 500251/93

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Controlling Transmission Power In a CDMA Mobile Telephone System

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS**

Title: Spread Spectrum Transmitter Power Control Method and System

Country of registration: US

Application no.: 07/749,249 Patent no.: 5257283 Countries applicable: US

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method And System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: Application no.:

08/518,218 5754533

US

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method And System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: Application no.:

Patent no.:

85111161

TW

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Transmitter Power Control System

Application no.:

JΡ 507203/93

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Method and System for Non-Orthogonal Noise Energy Based Gain Control

Country of registration: PCT

Application no.: PCT/US96/13653 - WO 97/08848

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Transmitter Power Control System **PCT**

Country of registration:

Application no.:

PCT/US92/08613 - WO 93/07702

Patent no.:

-NA

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And System For Non-Orthogonal Noise Energy Based Gain Control Title:

Country of registration: CL Application no.: 1465/96

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And System For Non-Orthogonal Noise Energy Based Gain Control Title:

Country of registration: AR Application no.: 337948

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: US Application no.: 08/117.279 Patent no.: 5511073 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: TW 81102050 Application no.: Patent no.: NI-72304 Countries applicable: TW

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Data Burst Randomizer

Country of registration: US Application no.: 08/194,823 Patent no.: 5659569

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Variable Response Fir Filter Title:

Country of registration: US 08/291,647 Application no.: Patent no.: 5629955 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And System For Non-Orthogonal Noise Energy Based Gain Control Title:

Country of registration: ZA Application no.: 96/7083 Patent no.: 96/7083 Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: SF 93903541.6 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

SE

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: NO Application no.: 94/2670

Patent no.:

Countries applicable: NO

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: P304472 Patent no.: Countries applicable: PL

ETSI Deliverable:

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Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

Application no.: 93903541.6

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.:

94035749.09

Patent no.:

Countries applicable:

RU **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: SG Application no.: 9607371-3

Patent no.:

Countries applicable: SG

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: **7**A Application no.: 93/0290 Patent no.: 93/0290 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Controlling Transmission Power in a CDMA Cellular Mobile Telephone System

Country of registration: US Application no.: 07/702.029 Patent no.: 5265119 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: 93903541.6 Patent no.:

ES

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 47603/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.:

93903541.6

Patent no.:

CH

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: GB Application no.: 93903541.6

Patent no.:

Countries applicable: GB

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: JP Application no.: 512691/93 Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

JΡ

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: US Application no.: 08/171.146 Patent no.: 5504773 Countries applicable: US

ETSI Deliverable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For Controlling Transmission Power in a CDMA Cellular Mobile Telephone System Title:

Country of registration: US Application no.: 08/217,003 Patent no.: 5485486 Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: **UMTS**

Title: Transmitter Power Control System

Country of registration: Application no.: 07/773,067 Patent no.: 5267262 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.:

702450/94

Patent no.:

KR

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations Title:

Country of registration: IN

Application no.: 506/MAS/97

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: TW Application no.: 85100238

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for the Formatting of Data for Transmission

Country of registration: US Application no.: 08/374.444 Patent no.: 5568483 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: S19970631 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Adjacent Service Area Handoff in Communication Systems

Country of registration:

Application no.: WO 98/14026

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Adjacent Coverage Area Hand-off in Communication Systems Title:

Country of registration: Application no.:

08/722,330

PCT

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations Title:

Country of registration: AR

Application no.: P970106993

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Data Burst Randomizer Title:

Country of registration: US Application no.: 08/291,231 Patent no.: 5535239 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: Application no.:

ID P-970805

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.: Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: Application no.:

MY 9701029

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Qualcomm Inc.

Qualcomm Inc.

UMTS

86106810

TW

PCT/US97/03957 - WO 97/34439

Project: Title:

UMTS Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

ZA

97/2155

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Title:

UMTS Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Company name:

Project: Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method And Apparatus For Providing Centralized Power Control Administration For A Set of Base

Stations US

Country of registration:

Application no.: Patent no.:

08/614,562

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

WO 97/50174

Project: Title:

UMTS

Country of registration:

ROM-Based Finite Impulse Response Filter For Use In Mobile Telephones **PCT**

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: Application no.:

CL 472-97

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus For the Formatting of Data For Transmission

Application no.: Patent no.:

P960117

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration:

IN

Application no.: Patent no.:

872/MAS/97

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

BR PI9606833-7

Country of registration:

Method and Apparatus For the Formatting of Data For Transmission

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus For the Formatting of Data For Transmission

Application no.:

CA 2210657

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.:

CL 47/96

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: CN **Application no.:** 96192583.3

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: EPO

ion no.: EA-97-0120-US

Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: KR **Application no.:** 704854/97

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: FI **Application no.:** 97/2990

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: ZA
Application no.: 96/0181
Patent no.: 96/0181
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: IL 116790

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: 522385/96 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.:

PI9600092

MX

975396

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: N7 Application no.: 302029 Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for the Formatting of Data for Transmission

Country of registration: **PCT** PCT/US96/00673 - WO 96/22639

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: Application no.: 335095

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 96903544.3

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration:

Application no.: CN 95190673.9

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

MX

966634

Project: **UMTS**

Adaptive Sectorization in a Spread Spectrum Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System JP

Country of registration: Application no.:

506501/96

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

IL

114761

Project: **UMTS**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: Application no.:

P951480

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: IN

Application no.: 846/MAS/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

961213

FPO

-NA

CL

1080-95

95926626,3

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

Patent no.: Countries applicable:

Countries applicable ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

PCT/US95/08477 - WO 96/04718

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: CA **Application no.:** 2169649

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration:

Application no.: PI 9506276-9

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: Application no.:

30936/95

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title: VN

Country of registration:

Application no.: S-1667/96

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: US 08/260,192 Application no.: Patent no.: 5638412 Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

FΙ FI 961414

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: VN Application no.: S-1752/96

Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1335

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

: RU 94045877

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS
Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration:

FI

Application no.:

nication no.:

Patent no.:

FI965180

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: Application no.:

EPO 95924673,7

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: Application no.:

on no.: 95193756,1

CN

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Adaptive Sectorization in a Spread Spectrum Communication System CA

Country of registration:

Application no.:

Patent no.:

2193394

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration:

Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration Application no.:

MY 9502112

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: AU 29086/95

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: Application no.:

9601161-4

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: US

Application no.: 08/283,308

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: TW 84108517
Patent no.: NI-077453
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: KR Application no.: 701718/96

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: ZA
Application no.: 95/5940
Patent no.: 95/5940
Countries applicable: ZA

ETSI Deliverable:

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Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: Application no.:

96108811

Patent no.:

Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Adaptive Sectorization in a Spread Spectrum Communication System Title:

Country of registration: BR

Application no.:

Patent no.:

PI9508102-0

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration:

847/MAS/95 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: Application no.:

ZA 95/6078

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: Application no.: Patent no.:

RU 96110286

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: PCT

Application no.: PCT/US95/09780 - WO 96/04646

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

PI 9502226

506728/96

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title: JΡ

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: TW Application no.: 84106472 Patent no.: NI-078085 Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: ID Application no.: P-951537

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: VN Application no.: S-1855/96

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration:

Application no.: FI 961445

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: Application no.:

EPO 95928266,6

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: CN

Application no.:

Patent no.:

CN 95190723.9

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: CL 1134-95 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: Application no.:

CA 2172062

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration:

Application no.: PI9506307-2

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: Application no.: 114819

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration:

Application no.: CN 95190554.6

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Controlling Power in a Variable Rate Communication System Title:

Country of registration: **PCT**

Application no.: PCT/US95/07970 - WO 96/00466

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: RU 96105944 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

PCT

-NA

Project: **UMTS**

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration:

Application no.:

PCT/US95/07685 - WO 95/35002

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration:

Application no.: PI 9501598 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method for Providing Service and Rate Negotiation in a Mobile Communication System

Country of registration: JP

Application no.: 502512/96

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration:

Application no.: 114138

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: KR **Application no.:** 701753/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: EPO 95923933,6

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: TW
Application no.: 84107077
Patent no.: NI-076818
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CL **Application no.:** 861-95

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CA Application no.: 2166796

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration:

PI 9505489-8

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

ΑU

28636/95

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration: US Application no.: 08/815,354

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: KR Application no.:

700762/96

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration:

Application no.: FI 960195

Patent no.: Countries applicable: **ETSI Deliverable:**

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: Application no.:

CA 2206101

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Adaptive Sectorization in a Spread Spectrum Communication System

503342/95

JΡ

Country of registration:

Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Qualcomm Inc.

83111687

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: Title:

Qualcomm Inc.

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding US

Country of registration:

Application no.: Patent no.:

08/146,642 5471497 US

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

51936/96

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding VΝ

Application no.:

Country of registration:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System **EPO**

Application no.:

Patent no.:

95940876,6

Countries applicable:

ETSI Deliverable:

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.: Patent no.:

ZA 94/8560 94/8560 ZΑ

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration:

CL 1796-95

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

ŔŰ 96112185

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title:

UMTS

Country of registration:

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Application no.:

Patent no.:

PI9509928-0

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration:

AU

Application no.: Patent no.:

42480/96

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Title: Country of registration:

AR 334.436

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Project:

Title: Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration:

Application no.: 08/322,817 Patent no.: 5, 697,055 Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Hand-off Between Different Cellular Communications Systems Title:

Country of registration: Application no.:

84111247

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Hand-off Between Different Cellular Communications Systems Title:

Country of registration: **7**A Application no.: 95/8574 Patent no.: 95/8574 Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: CN Application no.: 95197410.6

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: CN Application no.: 94193945.6 Patent no.: 5414728

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

PV1054/94

CN

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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1346

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

TW 93109659

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Application no.:

VN S1811/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

AU

BR

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration:

Application no.: 10847/95 5414728 Patent no.: Countries applicable: ΑU

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration:

Application no.: PI9407919-6 Patent no.: 5414728 Countries applicable: BR

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding KR

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

702256/96

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: Application no.: Patent no.: Countries applicable:

CL 1581/94 5414728

CL

ETSI Deliverable:

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration: Application no.:

115596

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Spectrum Communication Channels

Country of registration:

EPO Application no.: 95901717.9 Patent no.: 5414728 Countries applicable: **EPO**

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration:

96/1824 Application no.: Patent no.: 5414728 Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels IN

Country of registration:

1037/MAS/94 Application no.: Patent no.: 5414728 Countries applicable: IN **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding Country of registration: ΜX

Application no.: Patent no.: Countries applicable: **ETSI Deliverable:**

9408492 185915 MX

MY

PI9402910

Notes:

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Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.: Patent no.:

PCT/US94/12540 - WO 95/12938

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: Application no.: Patent no.: Countries applicable:

2175488 5414728 CA

CA

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

Application no.:

BR PI 9506273-4

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

P-951477

Project:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

845/MAS/95

Project:

UMTS

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

FI 961294

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.: 95926654,5

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration:

Application no.: CN 95190672.0

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Hand-off Between Different Cellular Communications Systems Title:

Country of registration: **PCT**

Application no.: PCT/US95/12636 - WO 96/12380

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: CA Application no.: 2172370

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

MY

Project: **UMTS**

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

PI 9502120

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: Application no.:

30958/95 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: **UMTS**

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: VN

Application no.: SC0471/96

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Adaptive Sectorization in a Spread Spectrum Communication System Title:

Country of registration: 08/265,664 Application no.: Patent no.: 5621752 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels

Country of registration:

Application no.: 85101612 Patent no.: NI-080310 Countries applicable: TW

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: SG Application no.: 9612201-5

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method of Searching for a Bursty Signal

Country of registration: IN

Application no.: 671/MAS/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: CL Application no.: 1081-95

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

701598/96

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

US

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.: Countries applicable:

08/278,347 5548812 US

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

P-952123

Title:

Method and Apparatus for Hand-off Between Different Cellular Communications Systems ID

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. Project: **UMTS**

Title:

Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

1538-95

1303/MAS/95

Project: Title:

Method and Apparatus for Hand-off Between Different Cellular Communications Systems CL

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Hand-off Between Different Cellular Communications Systems AR

Application no.: Patent no.:

333.843

Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: US
Application no.: 08/687,694

Patent no.: 5644591
Countries applicable: US
ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

114762

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

84108246

TW

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: JP 506511/96

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: ZA
Application no.: 95/5939
Patent no.: 95/5939
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: SG **Application no.:** 9608543-6

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.: 96108238

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration:

PCT/US95/08659 - WO 96/04716 Application no.:

MX

9601211

PI 9503066

VN

S-1750/96

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Hand-off Between Different Cellular Communications Systems Title: MY

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding KR

Country of registration: Application no.:

703047/95

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: Application no.: 32095/95

Patent no.: Countries applicable: **ETSI Deliverable:**

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding CA

2174344

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: BR

PI9407920-0 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding

Country of registration: AU 10862/95 Application no.: Patent no.: 678653 Countries applicable: ΑU

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Fast Forward Link Power Control in a Code Division Multiple Access System

Country of registration: Application no.: 08/276.576 Patent no.: 5461639 US

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding Country of registration:

Application no.: 94193946,4

Countries applicable: **ETSI Deliverable:**

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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1355

Company name:

Qualcomm Inc.

Project:

UMTS

TW

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.: Patent no.:

83111685

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

FPO

Patent no.:

95901735,1

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

7A Application no.: 94/8424 Patent no.: 94/8424 Countries applicable: ZΑ

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

PCT

Project: Title:

Fast Forward Link Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Qualcomm Inc. UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding MY

PCT/US94/13595 - WO 95/15038

Country of registration:

Application no.: Patent no.:

PI9403080

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS Fast Forward Link Power Control In A Code Division Multiple Access System

Title: Country of registration:

Application no.:

Patent no.:

Countries applicable:

JΡ

515247/95

ETSI Deliverable:

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> licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

1356

Company name:

Qualcomm Inc.

Project:

UMTS

IL

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.: Patent no.:

111689

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.:

1041/MAS/94

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Notes:

UMTS Fast Forward Link Power Control In A Code Division Multiple Access System

Country of registration: Application no.:

08/156 125

Patent no.: Countries applicable: 5383219 US

ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project:

Title:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: Application no.:

Patent no.:

PCT/US94/13091 - WO 95/14356

Countries applicable:

ETSI Deliverable:

-NA

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit CN

Application no.: Patent no.:

9419457,4

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Application no.:

CA 2176590

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration:

PI9408065-8

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration: Application no.:

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit 10559/95 679592

ΑU

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus Of Providing Time Sensitive Message Over A Variable Delay Channel

Country of registration: US Application no.: 08/717,147 Patent no.: 5761204 Countries applicable: US

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

1592/94

Country of registration:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication System Using Coset Coding

CL

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel RU

Country of registration:

Application no.: Patent no.:

95117903,09

Countries applicable:

ETSI Deliverable:

Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS** Project:

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.:

CN 94190956.5

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: Application no.:

KR 702894/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method And System For Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit

Country of registration: Application no.:

Patent no.:

514538/95

UMTS

JP

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding .IÞ

Country of registration:

Application no.: Patent no.:

513361/94

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

111449

Project: Title:

UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

1056/MAS/94

Project: Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.:

Patent no.:

ETSI Deliverable: Notes:

Countries applicable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication System Using Coset Coding

Country of registration:

Application no.: Patent no.:

Fί

Countries applicable:

ETSI Deliverable: Notes:

96/1823

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc.

Project:

UMTS

US

AU

80968/94

Title:

Method And System For Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit

Country of registration:

Application no.: Patent no.: Countries applicable: 08/152,158 5479475 US

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Title:

Qualcomm Inc. **UMTS**

Soft Handoff

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Title:

Qualcomm Inc. **UMTS**

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff 985/MAS/94

IN

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff FI FI 961446

UMTS

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Soft Handoff

Country of registration:

Application no.:

Patent no.: Countries applicable:

FPO

94932123,6

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Country of registration:

Soft Handoff CN

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

CN 94193928.6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: Application no.:

CL 1568-94

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

FI 95/3501

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS

BR

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

PI9407896-3

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff MY

Country of registration:

Application no.: Patent no.:

PI 9402826

UMTS

Countries applicable:

ETSI Deliverable:

ETSI Deliverable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS

Method and Apparatus for Performing Hand-off Between Sectors of a Common Base Station

Country of registration: US **Application no.:** US 08/405,611

Application no.:
Patent no.:

08/405,61 5625876

Countries applicable:

US

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.: Patent no.:

83111348 NI-73287

TW

Countries applicable: ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

KR 702722/95

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

ZA

Country of registration: Application no.:

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station 94-8134 94-8134

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration:

RU Application no.:

Patent no.:

95112669,09

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PCT/US94/12453 - WO 95/12296

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station PCT

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Soft Handoff

Country of registration:

CA 2173484

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Soft Handoff

Application no.:

KR

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

702137/96

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit JP

Country of registration: Application no.:

514540/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

Patent no.:

CĹ 1643/94

UMTS

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding CA

Country of registration: Application no.:

2153700

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

PI9405789-3

UMTS

Project:

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding RR

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Project:

Qualcomm Inc. UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

ΑÙ Application no.: 11872/95 Patent no.: 678874 Countries applicable: ΑU

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Method and Apparatus for Reducing The Average Transmit Power from a Sectorized Base Station

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

IL

Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.: Patent no.:

111434

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

TW

Project:

UMTS

Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: Application no.: Patent no.:

84100610 NI-72233 TW

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

512883/95

.IP

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

UMTS

7A

Country of registration: Application no.:

94/8133 Patent no.: 94/8133 Countries applicable: 7A

ETSI Deliverable: Notes:

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Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Soft Handoff

Application no.:

SG

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

9607380-4

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Company name: Project:

Qualcomm Inc. **UMTS**

Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: Application no.:

RU

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

96110195

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Reducing The Average Transmit Power from a Sectorized Base Station

Country of registration:

Application no.: Patent no.:

PCT PCT/US94/12459 - WO 95/12297

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Soft Handoff

Country of registration: MX

Application no.:

Patent no.:

9408301

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: Application no.:

EPO 95902697,2

Patent no.: Countries applicable:

ETSI Deliverable:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Notes:

UMTS

S-1918/96

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Title: Soft Handoff

Country of registration: VN

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

Notes:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

KR 707444/96

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

CA 2169646

Patent no.:

Countries applicable:

ETSI Deliverable:

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Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.:

PI9506274-2

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project:

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

AU 31393/95

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Testing a Digital Communication Channel VN

Application no.:

SI9970445

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Testing a Digital Communication Channel US

Application no.:

08/347,526

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Reverse Link, Closed Loop Power Control In A Code Division Multiple Access System

Country of registration:

JP 504464/96

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System TW

Country of registration: Application no.:

84107668 NI-082742

Patent no.: Countries applicable: **ETSI Deliverable:**

TW

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

1366

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.:

EPO 9592733,5

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS
Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

Patent no.:

ZA 95/5603

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Application no.:

SG 9700213-3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

RU

Project: Title:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

plication no.: 97102112

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title: UMTS
Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.:

PCT/US95/08660 - WO 96/02097

Patent no.:

Countries applicable: ETSI Deliverable:

-NA

PCT

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

MX 970310

Patent no.: Countries applicable: ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: Application no.:

95901242,8

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Reverse Link, Closed Loop Power Control In A Code Division Multiple Access System

Country of registration:

08/272,484

Application no.: Patent no.: Countries applicable:

5603096 US

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.:

PI9502025

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: Application no.:

707365/96

KR

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.:

TW 84107667 NI-080494

TW

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.:

Patent no.:

KR 701455/96

Countries applicable: **ETSI Deliverable:**

Notes:

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1368

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.:

ZA 95/5809

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

SG 9607440-6

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

96107751

Project: Title:

UMTS

RU

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System CL

Country of registration:

Application no.: Patent no.:

1085/95

UMTS

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System MX

Country of registration: Application no.:

Patent no.:

9601063

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.:

CN

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

95190643,7

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Company name:

Qualcomm Inc.

Project:

UMTS

JР

Title:

Method and Apparatus for Balancing the Forward Link Handoff Boundary to the Reverse Link Handoff

Boundary in a Cellular Communication System

Country of registration:

Application no.:

505872/96

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

IL 114667

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

ID

Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.:

P-951428

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.: Patent no.:

843/MAS/95

UMTS

IN

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System FI

Country of registration: Application no.:

96/1318

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration:

IL

Application no.: Patent no.:

114512

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method and Apparatus for Balancing The Forward Link Handoff Boundary to the Reverse Link Handoff

Boundary in a Cellular Communications System

Country of registration:

Application no.:

PCT/US95/09212 - WO 96/03845

Patent no.: Countries applicable:

ETSI Deliverable:

-NA

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS System and Method for Facsimile Data Transmission

Country of registration: Application no.:

ΑÙ 11793/95

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

System and Method for Facsimile Data Transmission

Country of registration:

Application no.:

PCT/US94/13175 - WO 95/14347

-NA

JP.

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: **UMTS** Title:

System and Method for Facsimile Data Transmission

Country of registration:

Application no.: 514565/95

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS System and Method for Facsimile Data Transmission

Country of registration: Application no.:

96/2034

FΪ

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

System and Method for Facsimile Data Transmission

Application no.:

EPO

Patent no.:

95902565,1

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: CN

Application no.: 94194158,2

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: Pl9501933

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: BR

Application no.: PI9408064-0

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: US
Application no.: 08/152,157
Patent no.: 5539531
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: US
Application no.: 08/426,763
Patent no.: 5590406
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: VN **Application no.:** S1975/96

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: **UMTS**

Title: A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration:

Application no.: 08/152,162 Patent no.: 5487175 Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: Application no.:

96111813 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: **PCT**

Application no.: PCT/US94/13093 - WO 95/14358

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-Title:

off Boundary In A Cellular Communication System

Country of registration:

Application no.: S1751/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CA

2176591

Project: **UMTS**

Title: System and Method for Facsimile Data Transmission

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration: ΑU Application no.: 29693/95

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.: P951322

Patent no.: Countries applicable:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration:

Application no.: 840/MAS/95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

FΙ

97/0117

Project: **UMTS**

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: FPO 95925608,2 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CN

95194019.8

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: CL 1003/95 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Title:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: RU **Application no.:** 96112111

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: B

Application no.: PI9508263-8

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: KR Application no.: KR 702560/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Relians under the FTAS Officiality and Collections which are in accordance with clause 0.1 of the L

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Facsimile Data Transmission Over A Low Data Rate Network With Fill Bit Removal And Reinsertion

Country of registration: US
Application no.: 08/484,807
Patent no.: 5517323
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: US
Application no.: 08/668,135
Patent no.: 5563807
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Reducing Bottlenecks In Low Data Rate Networks Processing Facsimile Data

Transmission

Country of registration: US
Application no.: 08/484,808
Patent no.: 5566000
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

US

Title:

Facsimile Data Transmission Over A Low Data Rate Network By One Dimensional Decoding And Two

Dimensional Re-Encoding

Country of registration:

Application no.: 08/484,806 5515177 Patent no.: US

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS System and Method for Facsimile Data Transmission

Title: Country of registration:

VN S1976/96

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Application no.:

96/2035

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: 2193979

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

CA

Project: Title:

Pilot Signal Searching Technique for a Cellular Communications System TW

Country of registration: Application no.: Patent no.:

85103856 NI-083424 TW

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

ID P-951825

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

1104/MAS/95

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

FI 961447

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

FPO 95934418,5

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

CN 95190876.6

Project: Title:

UMTS Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

CN

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

CL 1270-95

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

CA

2173983

Project: Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

Countries applicable:

ETSI Deliverable:

Notes:

Patent no.:

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Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

BR PI 9506315-3

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

36759/95

UMTS

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: Application no.:

VN SC0831/97

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Pilot Signal Searching Technique for a Cellular Communications System

JP

Country of registration:

517080/96

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Notes:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

MY PI 9502623

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

702651/1997 Application no.:

Patent no.: Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: 95/9883 Application no.: 95/9883 Patent no.: Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: SG Application no.: 9702188-5

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

US

Project: **UMTS**

Title: Method and Apparatus for Performing a Fast Downward Move in a Cellular Telephone Forward Link

Power Control System

Country of registration:

Application no.: 08/736,201

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: RU Application no.: 97110197

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: **PCT**

Application no.: PCT/US95/15298 - WO 96/16524

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: NO Application no.: 97/2306

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Pilot Signal Searching Technique for a Cellular Communications System Title: NZ

Country of registration: Application no.:

300717

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: MX Application no.: 973723

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

PI9509104-1

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title: BR

Country of registration: Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: US Application no.: 08/344,321 Patent no.: 5577022 Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Title:

Country of registration: ZA Application no.: 95/7614 Patent no.: 95/7614 Countries applicable: ZA **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: AU Application no.: 36433/95

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration:

Application no.: 08/525,899

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: ZA
Application no.: 96/6929
Patent no.: 96/6929
Countries applicable: ZA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: IL
Application no.: 119217

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: ID Application no.: P-962546

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: CL
Application no.: 1047-96
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: Application no.:

AR 338069

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

US

Country of registration: Application no.:

08/521,673 5584049

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System VN

Application no.:

S-1917/96

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System 08/304,730

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

5475870

US

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Application no.:

IL 115249

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Application no.:

701890/96

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

510315/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System 9608597-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus For Providing An Alert With Information Signal Between A MSC and A Base

Station US

08/792,554

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

Qualcomm Inc. **UMTS**

WO 98/15072

Title:

Method and Apparatus for Providing an Alert with Information Signal Between a Mobile Switching Center

and a Base Station PCT

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Position-and-Preference Based Service Selection in a Mobile Telephone System

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Country of registration: US

Application no.:

Patent no.:

08/743.511

Countries applicable: **ETSI Deliverable:**

Notes:

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Performing Position and Preference Based Service Selection in a Mobile

Telephone System

Country of registration: Application no.:

PCT

Patent no.:

Countries applicable:

WO 98/20698

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Performing Rate Determination

Country of registration: US Application no.: 08/741,232

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Data Rate Determination Title:

PCT/US95/11616 - WO 96/08936

Country of registration: **PCT**

WO 98/19405 Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

RU

-NA

96112146

Project: **UMTS**

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communications System PCT

Country of registration: Application no.:

Patent no.:

Countries applicable:

Notes:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.:

MX 961732

Patent no.:

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: Application no.: 116091

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.: Patent no.:

84109312 NI-077779

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

Patent no.:

94/01473

UMTS

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration:

Application no.:

1528/MAS/95

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Dual Distributed Antenna Systems

Country of registration:

KR 701609/95

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Dual Distributed Antenna Systems

Country of registration: Application no.:

FS 94926602.7 0667068

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Dual Distributed Antenna Systems

Country of registration: Application no.:

SE 94926602.7 0667068

Countries applicable: **ETSI Deliverable:**

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project: UMTS

Title: Dual Distributed Antenna Systems

Country of registration: CH

Application no.: 94926602.7

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna Systems

Country of registration: Application no.:

TW 83109657

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna Systems

Country of registration: GB
Application no.: 94926602.7
Patent no.: 0667068
Countries applicable: GB

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna System

Country of registration: US
Application no.: 08/112,392
Patent no.: 5513176
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Dual Distributed Antenna System

JP

Country of registration: US
Application no.: 08/370,769
Patent no.: 5533011
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: MY
Application no.: PI 9503548

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: US
Application no.: 08/483,111
Patent no.: 5602834
Countries applicable: US

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: JP

Application no.: 519040/96

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: AU
Application no.: 63295/96
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: RU 97101122

Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: FI
Application no.: 97/4421
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: Application no.: 118563

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Linear Coverage Area Antenna System for A CDMA Communication System Title:

Country of registration: Application no.:

709104/97

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Linear Coverage Area Antenna System for A CDMA Communication System Title:

Country of registration: Application no.:

85107887

TW

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: CN Application no.: 92104299

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: Application no.:

EPO

Patent no.:

92914647

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: Application no.:

921372

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: Application no.: 101752

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Linear Coverage Area Antenna System for A CDMA Communication System Title:

Country of registration:

Application no.:

PCT PCT/US96/09685

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

PCT

ID

IN

Project: Title:

Method and Apparatus for Performing a Fast Downward Move in a Cellular Telephone Forward Link

Power Control System

WO 98/18212

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: P-952470

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

Title:

UMTS Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.:

Patent no.:

1529/MAS/95

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Pilot Signal Searching Technique for a Cellular Communications System FΙ

Application no.:

FI971592

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

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Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: Application no.: 95944040,5

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: Application no.:

95196330,9

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: CL Application no.: 1795-95

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: CA 2203256 Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: BR

Application no.: PI9510068-7

Patent no.:

Notes:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: AU Application no.: 45945/96 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: AR

Application no.: P 95 01 00 284

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: Application no.:

P952527

Patent no.:

Countries applicable: ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: TW
Application no.: 84113229
Patent no.: NI-084088
Countries applicable: TW

ETSI Deliverable:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: IL
Application no.: 116155

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: ZA
Application no.: 95/9997
Patent no.: 95/9997
Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: RU
Application no.: 97112477
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: PCT

Application no.: PCT/US95/15533 - WO 96/17487

PI 9503636

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: US Application no.: 07/695,397 Patent no.: 5233630 Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: TW Application no.: 81103402 Patent no.: NI-65463 Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: ZA Application no.: 92/3193 Patent no.: 92/3193 Countries applicable: ZA

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Resolving Phase Ambiguities In Trellis Coded Modulated Data Title:

Country of registration:

Application no.: PCT/US92/03656

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: Application no.: 9202041 Patent no.: 176176 Countries applicable: MX

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration:

PI 9200761 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

TW

85113572

Project: **UMTS**

Apparatus and Method for Controlling Transmit Power In A Cellular Communication System Title:

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: US 08/347,532 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

RO

94/00453

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: JP Application no.: 506284/93 Patent no.: 5289527 Countries applicable: JP

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: VN Application no.: S19970681

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration: Application no.:

MX 92-5487

IL

103286

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration: CN **Application no.:** 92111271,8

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: US
Application no.: 07/763,091
Patent no.: 5289527
Countries applicable: US

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: GB Application no.: 92921020.1 Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: CH Application no.: 92921020.1

Patent no.: Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Communications Device Registration Method Title:

Country of registration:

Application no.: 92921020.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: ES

Application no.: 92921020.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels AR P960101351

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

Country of registration: Application no.:

Patent no.:

SK PV322/94

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration: CA Application no.:

Patent no.:

2213998

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Qualcomm Inc.

Project:

UMTS

Title:

Country of registration:

Mobile Communications Device Registration Method

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration:

Application no.:

08/378,300

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and Apparatus for Detection and Bypass of Tandem Vocoding TW

Application no.: Patent no.:

85104166 NI-082567 TW

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Mobile Communications Device Registration Method Country of registration: **PCT**

Application no.:

Patent no.:

PCT/US92/07970

Countries applicable:

ETSI Deliverable:

Notes:

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL Company name: Qualcomm Inc.

Project: Title:

UMTS Mobile Communications Device Registration Method

Country of registration: Application no.:

NO 94/0987

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration:

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Communications Device Registration Method Title:

Country of registration:

Application no.: 92921020.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Apparatus and Method for Controlling Transmission Power in a Cellular Communications System Title:

Country of registration: **PCT**

Application no.: PCT/US96/14406 - WO 97/09794

Patent no.:

Countries applicable: -NA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: MX Application no.: 925331 Patent no.: 178352 Countries applicable: MX

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: CA Application no.: 2200962

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: Application no.: 700880/94 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project:

Title: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration:

Application no.: 07/767,167 Patent no.: 5469452 Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels

Country of registration:

Application no.: Patent no.:

705935/97

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

KR

Project:

Title: Apparatus And Method For Reducing Message Collision Between Mobile Stations Simultaneously

Accessing A Base Station In A CDMA Cellular Communication System

Country of registration: **PCT** PCT/US93/01982

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Title:

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

93/5019

Project:

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

ZA Application no.: 96/1025 Patent no.: 96/1025 Countries applicable:

ETSI Deliverable: Notes:

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licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Project:

UMTS

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Title:

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.:

Patent no.:

ΚP P-94370

Qualcomm Inc.

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Qualcomm Inc.

Project:

UMTS

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: Application no.: Patent no.: Countries applicable:

MX 9301230 181453 MX

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

.IP 515899/93

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

104910 104910

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IL

Title:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.: Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Frrors CN

Country of registration:

Application no.: Patent no.:

93102375.0

UMTS

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel Induced Errors

Application no.:

CA 2138708

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Joint Transmission Of Multiple Data Signals In Spread Spectrum

Communication Systems

Country of registration: Application no.:

US 08/741,229

Patent no.: Countries applicable: 5757767 US

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: Application no.:

AU 35939/93

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Mobile Communications Device Registration Method HU

Application no.:

92921020.1

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Country of registration: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same ZA

Application no.: Patent no.:

92/7123 92/7123 **7**A

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Viterbi Decoder Bit Efficient Chainback Memory Method And Decoder Incorporating Same

Country of registration:

PCT PCT/US92/08128

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.:

RU 97115902

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Providing Variable Rate Data in a Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

PCT/US96/02607 - WO 96/27250

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

-NA

Notes:

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Company name:

Qualcomm Inc.

Project:

UMTS

MY

Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.:

PI9600555

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Project: Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.: Patent no.:

.IP 526373/96

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. **UMTS**

Ш

117275

Project: Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

UMTS

P960477

Project: Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels ID

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.:

IN 194/MAS/96

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration: Application no.:

FPO

Patent no.:

Countries applicable:

96907122,4

ETSI Deliverable:

Notes:

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Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.: Patent no.:

CL 198/96

Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

BR PI9305808-0

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS

-NA

Country of registration:

Method and Apparatus for Providing Broadcast Messages in a Communications Network PCT

Application no.:

Patent no.:

PCT/US95/12389 - WO 96/10895

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc. UMTS

Project: Title:

Country of registration:

Mobile Communications Device Registration Method AU

Application no.: Patent no.:

26706/92 665784 ΑU

Countries applicable: **ETSI Deliverable:**

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Detection and Bypass of Tandem Vocoding KR

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name:

Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration:

Application no.:

BR

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

PI9606800-0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: MC **Application no.:** 92921020.1

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: AU Application no.: 48598/96

Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

US

08/912,049

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Relians under the FRS Officering and conditions which are in accordance with clause 0.1 of the

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: VN **Application no.:** VN SC0771/97

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: TW
Application no.: 84110059
Patent no.: NI-082682
Countries applicable: TW

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: KR

Application no.: 702025/1997

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: Application no.: 95/7816 Patent no.: 95/7816 Countries applicable:

ETSI Deliverable: Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Communications Device Registration Method Title:

Country of registration:

Application no.: 92921020.1

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: RU Application no.: 97107643

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration: CA Application no.: 2211463

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

MX

PI 9502754

Project: **UMTS**

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: Application no.:

972237 Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: Application no.:

Patent no.:

ETSI Deliverable:

Countries applicable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: 512005/96

Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: Application no.:

115463

ID

IN

FΙ

97/1243

1181/MAS/95

P-951993

Patent no.:

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: **EPO** 95933968 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: CN

Application no.: 95196456,9

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: Application no.:

1473-95

SG

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: Application no.:

9701524-2

Patent no.: Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: FΙ 92921020.1

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: Application no.:

RU

Patent no.:

97114099

Countries applicable:

ETSI Deliverable:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration:

Application no.: PCT/US96/01166 - WO 96/23297 Patent no.:

Countries applicable:

-NA **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration:

Application no.: 92921020.1

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Communications Device Registration Method Title:

Country of registration: Application no.: 103182 Patent no.: 103182 Countries applicable: IL

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: ΙE

Application no.:

Patent no.:

92921020.1

Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: HU P9400677 Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

Country of registration: GR Application no.: 92921020.1

Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: Application no.: 92921020.1 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration:

Application no.: 92921020.1

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: Application no.:

EPO 92921020.1

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ${\sf ESSENTIAL}$

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: DK

Application no.: 92921020.1

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: EPO 96904513,7

Patent no.: Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: CN Application no.: 92110480.4

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: CA
Application no.: 2118803
Patent no.:

Countries applicable: ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: ΝZ Application no.: 302523

Patent no.: Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration:

PI 9600272 Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: BR

Application no.:

Patent no.:

PI9206522-8

Countries applicable:

ETSI Deliverable:

Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding JP

Country of registration: Application no.: 523051/96

Patent no.:

Countries applicable: **ETSI Deliverable:**

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: ID Application no.: P-962031

Patent no.: Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration:

Application no.: 25/MAS/96 Patent no.:

Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS

Title: Mobile Communications Device Registration Method

Qualcomm Inc.

Country of registration: CZ Application no.: PV642/94

Patent no.: Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Mobile Communications Device Registration Method Title:

Country of registration: Application no.:

BG 98642

Patent no.: Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration: DF

Application no.:

Patent no.:

92921020.1

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: CN Application no.:

96192720.8 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **Robert Bosch GmbH**

Project: Title:

UMTS TD-CDMA

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have Notes:

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

Company name: **Robert Bosch GmbH**

Project: **UMTS**

TD-CDMA, W-CDMA Title:

Country of registration: Application no.:

Patent no.: Countries applicable: **ETSI Deliverable:**

Notes: Robert Bosch GMBH has confirmed that it is prepared to grant irrevocable licenses under its IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, provided that the

patents it has become essential for the TD-CDMA and/or the W-CDMA proposal(s).

Salbu Research & Development (pty) Ltd. Company name:

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: Application no.: 2.208.041 Patent no.: ZA 94/10066 Countries applicable: CA

ETSI Deliverable:

Notes:

Salbu Research & Development (pty) Ltd. Company name:

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: **7**A AP/P/96/00779 Application no.: Patent no.: ZA 94/10066 Countries applicable: **ARIPO**

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: 7A

2411/DEL/95 Application no.: Patent no.: ZA 94/10066 Countries applicable: IN

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: PI9503918 Patent no.: ZA 94/10066 MY

Countries applicable:

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ Application no.: 95/090 ZA 94/10066 Patent no.: Countries applicable: NA

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ

Application no.: PCT/GB95/02972 ZA 94/10066 Patent no.: Countries applicable: PCT

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZA Application no.: P952732 Patent no.: ZA 94/10066 Countries applicable:

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration:

Application no.: 95941197.6 Patent no.: ZA 94/10066 Countries applicable:

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title: ZA

Country of registration:

Application no.:

Patent no.: ZA 94/10066

Countries applicable:

ETSI Deliverable: Notes:

UA

Company name: Salbu Research & Development (pty) Ltd.

ZA

Project:

Title: Method of Operating a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA) ZA

Country of registration:

Application no.:

Patent no.: ZA 97/5022

Countries applicable: **ETSI Deliverable:**

Notes: Company name:

Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ Application no.: 95/10789 Patent no.: ZA 94/10066 7Δ

Countries applicable:

ETSI Deliverable: Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Power Adaption in a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA) ZΑ

Country of registration:

Application no.:

ZA 97/6885 Patent no.:

Countries applicable: **ETSI Deliverable:**

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Title: Enhanced Cellular Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration:

Application no.:

ZA 97/1819 Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Company name: Salbu Research & Development (pty) Ltd.

ZΑ

Project:

Method of Operating a Network ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

ZA

ZA 97/1017

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 97112107
Patent no.: ZA 94/10066
Countries applicable: RU

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: P972825
Patent no.: ZA 94/10066
Countries applicable: NO

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMT:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 8-519339
Patent no.: ZA 94/10066
Countries applicable: JP

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 97-704132
Patent no.: ZA 94/10066
Countries applicable: KR

Countries applicable: ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

Application no.: 95197655.9
Patent no.: ZA 94/10066
Countries applicable: CN

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 297514
Patent no.: ZA 94/10066
Countries applicable: NZ

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) ZA

Country of registration: ZA
Application no.: Pl9510251-5
Patent no.: ZA 94/10066
Countries applicable: BR

ETSI Deliverable:

Notes:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: Application no.: 42682/96 Patent no.: ZA 94/10066 Countries applicable: ΑIJ

ETSI Deliverable:

Company name:

Notes:

Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: **7**A Application no.: 08/849.875 Patent no.: ZA 94/10066 Countries applicable:

ETSI Deliverable:

Company name:

Notes:

Samsung Electronics Corporation (SEC)

Project: **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes: With regard to the W-CDMA technology being elaborated by ETSI as a standard for the UMTS Terrestrial

Radio Access (UTRA) FDD mode, SEC is prepared to grant licenses to its essential IPRs on a fair, reasonable, and non-discriminatory basis in accordance with the terms and conditions set forth in

clause 6.1 of the ETSI IPR Policy.

Company name: **Siemens** Project: **UMTS**

Title: Data transfer with interruption phases

DF

Country of registration:

Application no.:

CN 1285983 Patent no.: CN

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Data transfer with interruption phases

Country of registration:

Application no.: Patent no.:

EP 1 075 738 Countries applicable: **EPO**

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Data transfer with interruption phases

Country of registration: DE

Application no.: US 09/699,835

Patent no.:

Countries applicable:

3GPP TS 25.212; ETSI TS 125 212

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method and communication network for the administration of supplementary services

Country of registration:

Application no.:

Patent no.: EP 0 978 206

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 23.078; ETSI TS 123 078; 3GPP TS 29.002; ETSI TS 129 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method and communication network for the administration of supplementary services

Country of registration:

Application no.: Patent no.:

DE 19717588

Countries applicable: DF

ETSI Deliverable: 3GPP TS 23.078; ETSI TS 123 078; 3GPP TS 29.002; ETSI TS 129 002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method and communication network for the administration of supplementary services

Country of registration: DE

Application no.: CN 1253698 Patent no.:

Countries applicable:

CN ETSI Deliverable:

3GPP TS 23.078; ETSI TS 123 078; 3GPP TS 29.002; ETSI TS 129 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling DF

Country of registration:

Application no.: Patent no.:

US 09/646,675

Countries applicable:

US

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Siemens Company name: Project: UMTS

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DE

Application no.: CN 1325603 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens

Project: Title:

UMTS

TD-CDMA, W-CDMA

Country of registration: Application no.:

Patent no.:

Countries applicable: ETSI Deliverable:

Notes:

Siemens declared that it is completely committed to the ETSI IPR policy (clause 6.1, "...on fair, reasonable and non discriminatory terms and conditions...") for any ETSI standard relating to the TD-CDMA proposal

and the W-CDMA proposal.

Company name:

Siemens **UMTS**

Project: Title:

Method and communication network for the administration of supplementary services

Country of registration:

Application no.:

US 09/403,665

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 23.078; ETSI TS 123 078; 3GPP TS 29.002; ETSI TS 129 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens

Project: Title:

UMTS Method for data transmission in a mobile radio system, mobile station and base station

Country of registration:

DE

Application no.: EP 1 125 463

Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

125 331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are subject to the condition that those who seek licenses agree to reciprocate.

Company name: Project:

Siemens **UMTS**

Title: Country of registration: Method for data transmission in a mobile radio system, mobile station and base station

Application no.:

DF BR PI9913838-7

Patent no.:

Countries applicable:

BR

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are subject to the condition that those who seek licenses agree to reciprocate.

Company name:

Siemens UMTS

Project: Title:

Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration:

Application no.:

Patent no.: Countries applicable:

EP 1 064 810

ETSI Deliverable:

EPO

3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Company name: Siemens Project: UMTS

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration:

Application no.: IN/PCT/01/00457

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DE

Application no.: JP 12-580408

Patent no.:

JΡ Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name:

Project: UMTS

Title: Method for data transmission in a mobile radio system, mobile station and base station Country of registration: DE

Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

KR 80939/01

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name: Project: **UMTS**

Method for data transmission in a mobile radio system, mobile station and base station Title:

Country of registration: Application no.:

Patent no.:

DE US 6389300

Countries applicable:

US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for jam-resistant communication transmission

Country of registration:

Application no.:

Patent no.: US 4 843 612

Countries applicable:

US

ETSI Deliverable:

3GPP TS 25.212: ETSI TS 125.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method for jam-resistant communication transmission

Country of registration:

Application no.:

Patent no.: CA 1238951 CA

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125.212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens **UMTS** Project:

Title: Method for setting up a connection between plurality of cellular networks

Country of registration:

Application no.: Patent no.:

EP 0 675 663

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TS 23.079; ETSI TS 123 079; 3GPP TS 23.003; ETSI TS 123 003; 3GPP TS 22.079; ETSI TS 122

079

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Telecommunications network as well as subscriber stations and central station for a Telecommunications

network DF

Country of registration: Application no.:

Patent no.:

DE 36 38 735

Countries applicable:

DE

ETSI Deliverable:

3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 22.016; ETSI TS 122 016

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: **Siemens** Project: **UMTS**

Title: Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration:

Application no.:

EP 0 771 125

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

3GPP TS 25.211; ETSI TS 125 211; 3GPP TS 25.221; ETSI TS 125 221; 3GPP TS 25.331; ETSI TS 125

331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration: Application no.:

DE

US 5943327 Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.211; ETSI TS 125 211; 3GPP TS 25.221; ETSI TS 125 221; 3GPP TS 25.331; ETSI TS 125

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration:

Application no.: AU 16485/00

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio

communicationn network and mobile station

Country of registration:

Application no.: WO 01/37586

Patent no.: Countries applicable: CN, DE, EPO, JP, US

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Method and System for Verifying the Authenticity of a first Communication Participant in a Title:

> Communications network DE

Country of registration:

Application no.: CN 1369183

Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Siemens** Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration:

Application no.: IN/PCT/01/01321

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Siemens Company name: Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network DF

Country of registration:

Application no.: BR PI 0011703-0

Patent no.:

Countries applicable: **ETSI Deliverable:**

3GPP TS 33.102; ETSI TS 133 102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Siemens Project: UMTS

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration: DF

Application no.: AU 58051/00 Patent no.:

Countries applicable: ΑU

3GPP TS 33.102; ETSI TS 133 102 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration: DF

Application no.: EP 1186193

Patent no.:

EPO Countries applicable:

3GPP TS 33.102; ETSI TS 133 102 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration: DF

Application no.: WO 00/78078

Patent no.: Countries applicable: AU, BR, CN, EPO, IN, JP, KR, US

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: UMTS

Title: Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio

communicationn network and mobile station

Country of registration: DF

Application no.: US 10-130,075

Patent no.:

Countries applicable: US

3GPP TS 33.102; ETSI TS 133 102 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Title: Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio

communicationn network and mobile station

Country of registration:

Application no.: JP 13-538429

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102

DF

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio Title:

communicationn network and mobile station

Country of registration: DF

Application no.: CN 00818319

Patent no.:

CN

Countries applicable:

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name:

Siemens

Project:

UMTS

DF

Title: Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio

communicationn network and mobile station

Country of registration:

Application no.: Patent no.:

DE 19955096

Countries applicable:

DE

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Siemens **UMTS**

Project: Title:

Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration:

DF

Application no.: Patent no.:

KR 42024/01

Countries applicable:

KR

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Company name:

Siemens UMTS

Project: Title:

Method and arrangement for transmitting information in a digital radio system

Country of registration:

Application no.: Patent no.:

5 648 967

Countries applicable:

US

ETSI Deliverable:

Notes:

Siemens UMTS

Project: Title:

Method and arrangement for joint channel estimation in a digital multiple access communication system

Country of registration:

Application no.:

Company name:

Patent no.: Countries applicable: 4 212 300 DE

ETSI Deliverable:

Notes:

Project:

Company name: Siemens **UMTS** TD-CDMA

Title: Country of registration: Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have

collectively stated that they are prepared to grant under their respective essential IPRs

licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in

accordance with ETSI's IPR Policy, clause 6.1)

Company name:

Siemens **UMTS**

Project: Title:

Method for Authentificating a Radio Communication network vis-a-vis a mobile station and radio communicationn network and mobile station

Country of registration:

DF

Application no.: Patent no.:

EP 1230820

Countries applicable:

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Siemens Project: UMTS

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration: DF

Application no.: JP 12-537394 Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

JΡ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration: DF

Application no.: JP 13-502604

Patent no.:

Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Method, mobile station and radiocommunication system for controlling safety related functions in Title:

communication handling

Country of registration:

Application no.: DE 19812215 Patent no.:

Countries applicable: DE

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name: Project: **UMTS**

Method for data transmission in a mobile radio system, mobile station, and base station Title:

Country of registration: DF

WO2000/27150 Application no.: Patent no.:

Countries applicable: CN, EPO, HU, US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212; 3GPP TS 25.215; ETSI TS 125 215; 3GPP TS 25.225; ETSI TS 125

225; 3GPP TS 25.304; ETSI TS 125 304; 3GPP TS 25.133; ETSI TS 125 133; 3GPP TS 25.331; ETSI TS

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: UMTS

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration: DE

Application no.: WO99/48318

Patent no.:

Countries applicable:

DE, EPO, JP, KR, US

ETSI Deliverable: 3GPP TS 33.102; ETSI TS 133 102; 3GPP TS 22.101; ETSI TS 122 101; 3GPP TS 31.102; ETSI TS 131

102 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Siemens Project: UMTS

Title: Method and communication network for the administration of supplementary services

Country of registration:

WO98/49841 Application no.: Patent no.:

Countries applicable:

CN, DE, EPO, US

ETSI Deliverable:

3GPP TS 23.078; ETSI TS 123 078; 3GPP TS 29.002; ETSI TS 129 002 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens

Project:

UMTS

Title:

Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network DF

Country of registration:

Application no.: Patent no.:

US 10-009,975

Countries applicable:

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Title: Method and System for Verifying the Authenticity of a first Communication Participant in a

Communications network

Country of registration:

DE

KR 2002-19087 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

3GPP TS 33.102; ETSI TS 133 102

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Siemens Company name: Project: UMTS

Title: Data transfer with interruption phases

Country of registration:

Application no.:

WO99/56410

Patent no.: Countries applicable:

CN, EPO, US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project:

Title: Method and radio communication system for regulating power between a base station and a subscriber

station

Country of registration: DE Application no.:

CA 2346679 Patent no.: EP 1 119 925 CA

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.214; ETSI TS 125 214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: **UMTS**

Title: Method and radio communication system for regulating power between a base station and a subscriber

station DE

Country of registration: Application no.: US 09/806,646 Patent no.: EP 1 119 925

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens
Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station

Country of registration: DE

 Application no.:
 RU 2001112416

 Patent no.:
 EP 1 119 925

Countries applicable: RU

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station n: DE

Country of registration: DE
Application no.: KR 80075/01
Patent no.: EP 1 119 925

Countries applicable: KR

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens
Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station DF

Country of registration: DE
Application no.: CN 1324527

Patent no.: EP 1 119 925 Countries applicable: CN

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: SIEMENS
Project: UMTS

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration: DE

Application no.: IN/PCT/02/00690

Patent no.:

Countries applicable: IN

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens
Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station

Country of registration: DE

 Application no.:
 BR Pl9914395-0

 Patent no.:
 EP 1 119 925

Countries applicable: BR

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens
Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station DE

Country of registration: DE
Application no.: AU 13742/00
Patent no.: EP 1 119 925

Countries applicable: AU

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station

Country of registration: DF

Application no.: WO 00/22757 EP 1 119 925 Patent no.:

Countries applicable: **ETSI Deliverable:**

DE, ES, FR, GB, GR, IE, IT, NL, PT 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: **UMTS**

Title:

Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: Patent no.:

GB 2322047

Countries applicable: GB ETSI Deliverable:

3GPP TS 26.101; ETSI TS 126 101; 3GPP TR 25.922; ETSI TR 125 922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: **UMTS**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: Patent no.:

US 6 128 513

Countries applicable:

US **ETSI Deliverable:**

3GPP TS 26.101; ETSI TS 126 101; 3GPP TR 25.922; ETSI TR 125 922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: UMTS

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: Patent no.:

DE 19653122

DF

DF

Countries applicable:

DF

3GPP TS 26.101; ETSI TS 126 101; 3GPP TR 25.922; ETSI TR 125 922 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: **UMTS**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: IN 2391/CAL/97

Patent no.: Countries applicable: IN

ETSI Deliverable:

3GPP TS 26.101; ETSI TS 126 101; 3GPP TR 25.922; ETSI TR 125 922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Siemens Project: **UMTS**

Method and base station system for voice transmission via a radio interface in a digital radio Title:

communication system having mobile stations and base stations

Country of registration:

DE CA 2225205

Application no.:

Patent no.: Countries applicable: CA

3GPP TS 26.101; ETSI TS 126 101; 3GPP TR 25.922; ETSI TR 125 922 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: Siemens Project: UMTS

Title: Method and radio communication system for regulating power between a base station and a subscriber

station

Country of registration: DE

Application no.: JP 12-576563 Patent no.: EP 1 119 925

Countries applicable: JΡ

ETSI Deliverable: 3GPP TS 25.214; ETSI TS 125 214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

SIEMENS Company name: Project: **UMTS**

Title: RADIO SYSTEM WITH FREQUENCY OPTIMIZATION

Country of registration:

Application no.: Patent no.:

EP 0637181

Countries applicable: **EPO**

ETSI Deliverable: 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: AU 25037/01 Patent no.:

Countries applicable: ΑU

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: UMTS

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: WO01/39397

Patent no.:

Countries applicable: PCT

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration: DE

Application no.: DE 19956492

Patent no.:

Countries applicable: DF

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project:

METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO Title: DF

Country of registration:

Application no.:

Patent no.: DE 19951797

Countries applicable: DE

ETSI Deliverable: 3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

SIEMENS Company name: Project: UMTS

Title: METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO

Country of registration:

Application no.: US 10/129,052

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.321: ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: **UMTS**

Title: METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO

Country of registration:

Application no.: JP 13-533763

Patent no.:

DE

Countries applicable:

ETSI Deliverable: 3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO Title:

Country of registration: DF

Application no.: CN 1385047

Patent no.:

Countries applicable: CN

ETSI Deliverable:

3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS

Project: **UMTS**

METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO Title: DF

Country of registration: Application no.: Patent no.:

WO01/31938 PCT

Countries applicable:

ETSI Deliverable: 3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

Title: RADIO SYSTEM WITH FREQUENCY OPTIMIZATION

Country of registration:

Application no.:

SE 0637181

Patent no.:

Countries applicable: SE

ETSI Deliverable: 3GPP TR 25.922: ETSI TR 125 922: 3GPP TS 25.225: ETSI TS 125 225: 3GPP TS 25.331: ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **UMTS**

Title: RADIO SYSTEM WITH FREQUENCY OPTIMIZATION

Country of registration:

Application no.:

IT 0637181

Patent no.: Countries applicable:

ETSI Deliverable: 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: **SIEMENS** Project: UMTS

Title: RADIO SYSTEM WITH FREQUENCY OPTIMIZATION

Country of registration:

Application no.:

Patent no.: GB 0637181

Countries applicable: GB

ETSI Deliverable: 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration: DF

Application no.: AU 25036/01

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **UMTS**

Title: RADIO SYSTEM WITH FREQUENCY OPTIMIZATION

Country of registration:

Application no.: Patent no.:

DE 59410080.1

DE

Countries applicable: **ETSI Deliverable:**

DE 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.:

Patent no.:

BR PI0015824-0

Countries applicable:

BR **ETSI Deliverable:** 3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

RADIO SYSTEM WITH FREQUENCY OPTIMIZATION Title: DE

Country of registration:

Application no.: Patent no.:

US 5,708,973

Countries applicable: US

ETSI Deliverable:

3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: **UMTS**

METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM Title: DE

Country of registration:

Application no.: Patent no.:

DE 19856834

Countries applicable: DE

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: WO00/35225

Patent no.:

Countries applicable: PCT

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: US 09/857,884

Patent no.:

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: KR 80732/01 Patent no.:

Countries applicable: KR

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: JP 12-587558

Patent no.:

Countries applicable: JP

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: CN 1330843 Patent no.:

Countries applicable: CN

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS
Project: UMTS

Title: METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM

Country of registration: DE

Application no.: EP 1135955

Patent no.:

Countries applicable: DE, EPO, FR, GB, IE, PT

ETSI Deliverable: 3GPP TS 25.301; ETSI TS 125 301; 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.331; ETSI TS 125

331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

SIEMENS Company name: Project: UMTS

Title: METHOD AND ARRANGEMENT FOR TRANSMITTING INFORMATION IN A DIGITAL RADIO SYSTEM

Country of registration:

Application no.:

Patent no.: US 5,648,967

Countries applicable: US

ETSI Deliverable: 3GPP TS 25.222; ETSI TS 125 222

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: **UMTS**

Title: METHOD AND ARRANGEMENT FOR TRANSMITTING INFORMATION IN A DIGITAL RADIO SYSTEM DE

Country of registration: Application no.:

FI 951051

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.222; ETSI TS 125 222

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

METHOD AND ARRANGEMENT FOR TRANSMITTING INFORMATION IN A DIGITAL RADIO SYSTEM Title:

Country of registration: DF

Application no.: EP 0671824

Patent no.:

Countries applicable: DE, EPO, FR, GB, SE

ETSI Deliverable: 3GPP TS 25.222; ETSI TS 125 222

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

RADIO SYSTEM WITH FREQUENCY OPTIMIZATION Title:

Country of registration: DF

Application no.:

Patent no.: FR 0637181

Countries applicable: FR

ETSI Deliverable: 3GPP TR 25.922; ETSI TR 125 922; 3GPP TS 25.225; ETSI TS 125 225; 3GPP TS 25.331; ETSI TS 125

331; 3GPP TS 25.123; ETSI TS 125 123

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration: DF

Application no.: JP 13-540950

Patent no.:

Countries applicable:

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS** Project: **UMTS**

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration: DF

EP 1232583

Application no.: Patent no.:

Countries applicable: DE, EPO, FR, GB, IT

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

SIEMENS Company name: Project: UMTS

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.: WO01/39398

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212: ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: Title:

UMTS

Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME DE

Application no.:

US 10/130,964

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: Patent no.:

KR 2002-50786

Countries applicable:

KR

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

UMTS

Country of registration:

METHOD FOR THE DYNAMIC ALLOCATION OF RESOURCES IN A DIGITAL RADIO

DF

Application no.:

EP 1224832

Patent no.: Countries applicable:

DE, EPO, ES, FR, GB, IT

ETSI Deliverable:

3GPP TS 25.321; ETSI TS 125 321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **UMTS**

Title:

Notes:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.:

Patent no.:

EP 1232584

Countries applicable:

DE, EPO, FR, GB, IT

ETSI Deliverable: Notes:

3GPP TS 25,212: ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration: Application no.:

US 10/130,928

Patent no.:

Countries applicable: **ETSI Deliverable:**

US

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

SIEMENS Company name: Project: UMTS

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.: KR 2002-65536

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212: ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: Title:

UMTS

Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Application no.:

DE JP 13-540949

Patent no.:

Countries applicable: JΡ

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: IN/PCT/02/00587

Patent no.:

IN

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

UMTS

DF

Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Application no.:

HU PCT/DE00/04178

Patent no.:

Countries applicable: ETSI Deliverable:

HU 3GPP TS 25,212: ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project: Title:

UMTS

Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Application no.:

DE EP 1236292

Patent no.: Countries applicable: DE, EPO, FR, GB, IT

ETSI Deliverable:

3GPP TS 25.212: ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: BR PI0015743-0

Patent no.:

BR

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: UMTS

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.: HU PCT/DE00/04179

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: **UMTS**

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration: DE

Application no.: CN 00816233.6

Patent no.:

Countries applicable: CN

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: BR PI0015732-5

Patent no.:

Countries applicable: BR

3GPP TS 25.212; ETSI TS 125 212 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title: DF

Country of registration: Application no.:

Patent no.: Countries applicable: ΑIJ

ETSI Deliverable: 3GPP TS 25,212: ETSI TS 125 212

AU 25038/01

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: WO01/39399

Patent no.:

Countries applicable: **PCT**

ETSI Deliverable: 3GPP TS 25.212: ETSI TS 125 212

DF

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **UMTS**

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME Title:

Country of registration:

Application no.: US 10/148,026

Patent no.: Countries applicable:

US

ETSI Deliverable: 3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

SIEMENS Company name: Project: UMTS

Title: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.: KR 2002-65535

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212: ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **SIEMENS**

Project: Title:

UMTS

Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME DE

Application no.:

JP 13-540948

Patent no.:

Countries applicable:

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project:

UMTS

Title:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Country of registration:

Application no.: Patent no.:

IN/PCT/02/00691

Countries applicable:

IN

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS

Project:

UMTS

DF

Title: Country of registration: A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Application no.:

HU PCT/DE00/04177

Patent no.:

Countries applicable:

HU ETSI Deliverable:

Notes:

3GPP TS 25,212: ETSI TS 125 212 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **UMTS**

Title:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Country of registration:

Application no.:

DF CN 00816277.8

Patent no.:

Countries applicable: CN

ETSI Deliverable:

3GPP TS 25,212: ETSI TS 125 212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name:

Project: **UMTS**

Title: Country of registration:

A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME

Application no.:

DE CN 00816275.1

Patent no.: Countries applicable:

CN

ETSI Deliverable:

3GPP TS 25.212; ETSI TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

9801027-5

Patent no.:

Countries applicable: **ETSI Deliverable:**

SF

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

97904710.7

Patent no.:

Countries applicable: **ETSI Deliverable:**

EPO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Telia AB **UMTS**

Title: Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

505 039 SE

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Project:

Title:

Country of registration:

Application no.: Patent no.:

Countries applicable:

ETSI Deliverable:

PCT/SE97/00203

EPO, NO

Telia AB

UMTS

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Project: Title:

Telia AB **UMTS**

9602399-9

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

SF

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

Company name: Project:

Title:

Telia AB **UMTS**

Country of registration:

Application no.: Patent no.:

9602401-3

Countries applicable:

ETSI Deliverable:

SE

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

9702390-7

Patent no.: Countries applicable:

ETSI Deliverable:

SF

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

PCT/SE98/02357

Patent no.: Countries applicable:

EE, EPO, JP, LT, LV, NO, US

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Project:

Telia AB **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

19984179

Countries applicable: **ETSI Deliverable:**

NO

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Telia AB **UMTS**

Project: Title:

Notes:

Country of registration:

Application no.:

9704863-1

Patent no.: Countries applicable:

ETSI Deliverable:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Telia AB Project: **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

9801621-5

Countries applicable: **ETSI Deliverable:**

SF

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

Company name: Project:

Telia AB **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

PCT/SE98/01157

Countries applicable:

ETSI Deliverable:

EE, EPO, JP, LT, LV, NO, US

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

Patent no.: Countries applicable: 507 640

ETSI Deliverable: Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB Project: **UMTS**

Title:

Country of registration: Application no.: Patent no.:

504 511 SE

Countries applicable: **ETSI Deliverable:**

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name: Project:

Telia AB **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

9702266-9

Countries applicable:

SE

ETSI Deliverable: Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Project: Title:

Telia AB **UMTS**

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

0561735

BE, CH, DE, FR, LI, NL

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

Company name:

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.: Patent no.:

2265259

Countries applicable: **ETSI Deliverable:**

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

Company name: Project:

Telia AB **UMTS**

Title:

Country of registration:

Application no.: Patent no.:

84193

Countries applicable:

ETSI Deliverable:

JΡ

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.:

9401948-6

Patent no.:

Countries applicable: **ETSI Deliverable:**

SF

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Telia AB **UMTS**

Project: Title:

Country of registration:

Application no.: Patent no.:

505 006 SE

Countries applicable: **ETSI Deliverable:**

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name:

Telia AB Project: **UMTS**

Title:

Country of registration:

Application no.: 95930765.3 Patent no.: Countries applicable: **EPO**

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards

Company name: Telia AB Project: **UMTS** Title:

Country of registration:

Application no.: Patent no.:

9501066-6

Countries applicable:

ETSI Deliverable:

Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Title:

Country of registration: Application no.: Patent no.: Countries applicable:

ETSI Deliverable: Notes:

Texas Instruments

UMTS

Texas Instruments France has informed ETSI that, in relation to UMTS, TI (and/or affiliates) has many patents and that it would be burdensome to identify whether or not any particular patent applies to a particular proposal. TI (and/or affiliates) has a practice of filing patent applications on innovative developments in its various business areas, but cannot tell in advance the scope of the patents, if any,

that may issue on such applications.

Company name:

Vodafone Ltd. **UMTS**

Project: Title:

Data Processing Systems and Methods

Country of registration:

Application no.: GB 0218934.8

GB

Patent no.:

GB

Countries applicable: **ETSI Deliverable:**

3GPP TS 25.331; ETSI TS 125 331; GSM 08.08; ETSI TS 100 590; 3GPP TS 48.008; ETSI TS 101 503;

3GPP 44.018; ETSI TS 144 018

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

UMTS/CDMA

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: US

Application no.: Patent no.:

5799010 US

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

Patent no.: 96/0050 Countries applicable: NA

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration:

Application no.:

Notes:

US

Patent no.: 5563907 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

US Country of registration: Application no.: Patent no.: 5920590

Countries applicable: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM **EPO**

Country of registration:

Application no.:

515675

Patent no.: Countries applicable:

ETSI Deliverable:

EPO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

Aripo

Patent no.: Countries applicable: AP681 Aripo

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Company name: InterDigital Technology Corp.

Aripo

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: AP682 Countries applicable: Aripo

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.: Patent no.:

514539 **EPO**

Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

PK

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 135344 Countries applicable: PΚ

ETSI Deliverable: Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title: PΚ

Country of registration: Application no.:

Patent no.: 136510 Countries applicable: PΚ

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 136521 Countries applicable: PΚ

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

CA

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.: Patent no.:

2091785

Countries applicable:

CA

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 5748687 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title: US

Country of registration:

Application no.:

Patent no.: 5673286 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 5796776 Countries applicable: US **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: Patent no.: 5991329

ETSI Deliverable:

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

5991332

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: TW

Application no.: Patent no.:

NI-090280

Countries applicable:

ETSI Deliverable:

TW

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration:

Application no.:

Patent no.: 116444 Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration:

Application no.: Patent no.:

6014373 US

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

CDMA/TDMA SPREAD-SPECTRUM COMMUNICATIONS SYSTEM AND METHOD Title:

Country of registration:

Application no.:

Patent no.: 5260967 Countries applicable: US **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration: US Application no.: Patent no.: 5719852

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: Application no.:

Patent no.: 5553062 Countries applicable: US

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

US

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration:

Application no.: Patent no.:

5363403

Countries applicable: **ETSI Deliverable:**

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

ΝZ

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration:

Application no.:

Patent no.: 290723 Countries applicable: N7

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration:

Application no.: Patent no.:

314383 NZ

Countries applicable:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 6212174 Countries applicable: US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

CDMA/TDMA SPREAD-SPECTRUM COMMUNICATIONS SYSTEM AND METHOD Title:

Country of registration: US Application no.: Patent no.:

Countries applicable: ETSI Deliverable:

5410568

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: Application no.:

CA

Patent no.: 2091784 Countries applicable: CA

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title:

Country of registration: TW

Application no.: Patent no.:

79369 Countries applicable: TW

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

US

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration:

Application no.:

Patent no.: 5574747 Countries applicable: US ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project:

UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title: US

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

5835527 US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

IN

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 181867 Countries applicable: IN **ETSI Deliverable:**

Notes:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: Patent no.: 6215778

ETSI Deliverable:

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

US

6049535

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

US

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: Patent no.: Countries applicable:

6157619 US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 96/5340 Countries applicable: **7**A ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

CDMA/TDMA SPREAD-SPECTRUM COMMUNICATIONS SYSTEM AND METHOD Title:

Country of registration:

Application no.:

Patent no.:

Countries applicable: **ETSI Deliverable:**

Notes:

RE. 35,402 US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

SG

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration:

Application no.:

Patent no.: 43891 Countries applicable: SG **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Application no.: Patent no.: 5420896

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 5912919 Countries applicable: US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

MULTI-CHANNEL VITERBI DECODER Title: US

Country of registration:

Application no.: Patent no.:

6005898

Countries applicable: **ETSI Deliverable:**

Notes:

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: TRANSMISSION USING AN ANTENNA ARRAY IN A CDMA COMMUNICATION SYSTEM

Country of registration:

Application no.:

Patent no.: 6115406 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration:

Application no.:

Patent no.: Countries applicable:

3153894 JΡ

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

ΑU

Project: UMTS/CDMA

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 701816 Countries applicable: ΑU

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

US

Project: UMTS/CDMA

HIGH CAPACITY SPREAD SPECTRUM CHANNEL Title:

Country of registration: US Application no.: Patent no.: 5166951

Countries applicable: ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CELLULAR HANDOFF APPARATUS AND METHOD

Country of registration:

Application no.:

US

Patent no.: 5345467 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.:

US

Patent no.: Countries applicable:

5351269 US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

EPO

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration:

Application no.:

Patent no.: 515610 Countries applicable: FPO

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.: Patent no.:

Countries applicable: **ETSI Deliverable:**

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

US

5274665

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration:

Application no.:

Patent no.: 5093840 US Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration: US Application no.: Patent no.: 5299226

Countries applicable: US ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDM/

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration: Application no.:

Patent no.: 5535238 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title: US

Country of registration:

Application no.: Patent no.:

5631921 US

ETSI Deliverable:

Countries applicable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CELLULAR HANDOFF APPARATUS AND METHOD

Country of registration:

Application no.:

Patent no.: 5179571 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

5081643 US

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD Title: **EPO**

Country of registration:

Application no.:

Patent no.: 515624 Countries applicable: **EPO**

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD Title:

Country of registration: CA Application no.: Patent no.: 2091782 Countries applicable: CA

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: Application no.:

AR

Patent no.: 252826 Countries applicable: AR

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration: CA

Application no.: Patent no.:

2091783

Countries applicable:

Notes:

ETSI Deliverable:

CA

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration:

Application no.:

Patent no.: 5161168 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.: Patent no.:

5224120 US

Countries applicable:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.:

Patent no.: 5469468 Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Application no.: Patent no.: 5367533

ETSI Deliverable:

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration:

Application no.:

Patent no.: 5588020 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US

Application no.: Patent no.:

5703874

Countries applicable:

ETSI Deliverable:

US

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration:

Application no.:

Patent no.: 6011789 Countries applicable:

ETSI Deliverable: Notes:

US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

5263045

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: Application no.:

Patent no.: Countries applicable:

ETSI Deliverable:

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

AR

Project: UMTS/CDMA

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

Country of registration:

Application no.:

Patent no.: 252087 Countries applicable: AR

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Application no.: Patent no.: 5179572

ETSI Deliverable:

Notes:

Countries applicable: US

> The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: Application no.:

Patent no.: 5365544 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

US

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.: Patent no.:

5506864

Countries applicable:

ETSI Deliverable:

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration:

Application no.:

Patent no.: 5974039 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title:

Country of registration:

Application no.:

Patent no.: 6175586 Countries applicable: US

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title: US

Country of registration:

Application no.:

Patent no.: 5995538 US Countries applicable: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

SPREAD SPECTRUM SYSTEM AND METHOD Title:

Country of registration: **7**A

Application no.: Patent no.:

95/10969 Countries applicable: ZA

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT Title:

CODES

Country of registration:

Application no.:

US

Patent no.: 5841768 Countries applicable: US **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

UMTS/CDMA Project:

Title: A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT

CODES US

Country of registration: Application no.:

Patent no.: 6181949 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:
Application no.:

Patent no.: 5663956 Countries applicable: US **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration:

Application no.:

5228056

Patent no.: Countries applicable:

US **ETSI Deliverable:** Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

V5 Interface

Company name: **Nokia Corporation**

Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: RU Application no.: 99119068 Patent no.:

Countries applicable:

ETSI Deliverable: EN 300 324-1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration:

Application no.: 10-532569 Patent no.:

Countries applicable:

ETSI Deliverable: EN 300 324-1

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: V5 Interface

Procedure for the processing of an unexpected disconnect request Title:

Country of registration: US Application no.: 09/368238 Patent no.: 6324281

Countries applicable:

ETSI Deliverable: EN 300 324-1

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: FPO 98901989.8 Application no.:

Patent no.: Countries applicable:

ETSI Deliverable: EN 300 324-1

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation** Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: CN 98801728.8 Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable: EN 300 324-1

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: CA Application no.: 2277219 Patent no.:

Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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VDSL

Company name: Marconi Communications Ltd.

Project: VDSL

Title: High speed digital subscriber lines

Country of registration: GB 9421751.0 Application no.: Patent no.: 2283879 Countries applicable: GB **ETSI Deliverable:** TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project: VDSL

Title: High Speed digital subscriber lines

Country of registration: PCT

Application no.: GB94 / 02492 Pending

Patent no.:

Countries applicable: **ETSI Deliverable:** TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project: **VDSL**

High speed digital subscriber lines Title:

Country of registration: **EPO** Application no.: 94307769.3 Patent no.: 0653859 ES, FR, IT, SE Countries applicable: **ETSI Deliverable:** TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project:

Title: High speed digital subscriber lines

Country of registration: FPO 94307769.3 Application no.: Patent no.: P.69416641.3 Countries applicable: DE

ETSI Deliverable: TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project: VDSL

Title: High speed digital subscriber lines

Country of registration: AU Application no.: 81494 / 94 Patent no.: 688814 Countries applicable: ΑU

ETSI Deliverable: TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project: VDSL

Title: High speed digital subscriber lines

Country of registration:

Application no.: 08 / 334 838 5668802 Patent no.: Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

3.2 Other declarations

Deutsche Telekom AG: has informed ETSI that it does not own, or control, any IPRs which are Essential, or

potentially Essential to the ETSI GSM Standards.

Motorola: has informed ETSI that it has not identified any Motorola IPRs Essential to the DECT

Standards at this time.

Siemens AG: has informed ETSI that it does not own any IPRs which are or are likely to become

Essential IPRs in the Adaptive Multi-Rate (AMR) speech codec (GSM Standard).

Vyyo Inc.: has informed ETSI that it does not have any essential IPRs in relation to ES 201 488

V1.1.1.

TruePosition Inc.: has requested ETSI (on 29 April 2003) to withdraw from the ETSI IPR online database

the IPRs in relation to 3GPP TSG RAN Work Item 57: LCS-128 Pos, declared to ETSI on 9 August 2002, on the basis that "these are not required to practice the standard as

currently written".

History

Document history		
Edition 1	July 1996	Publication as ETR 314 (Withdrawn)
Edition 2	July 1997	Publication as ETR 314 (Withdrawn)
V1.3.1	June 1998	Publication (Withdrawn)
V1.4.1	November 1999	Publication (Withdrawn)
V1.5.1	December 2000	Publication (Withdrawn)
V1.6.1	August 2001	Publication (Withdrawn)
V1.7.1	December 2001	Publication (Withdrawn)
V1.8.1	April 2002	Publication (Withdrawn)
V1.9.1	November 2002	Publication (Withdrawn)
V1.10.1	June 2003	Publication