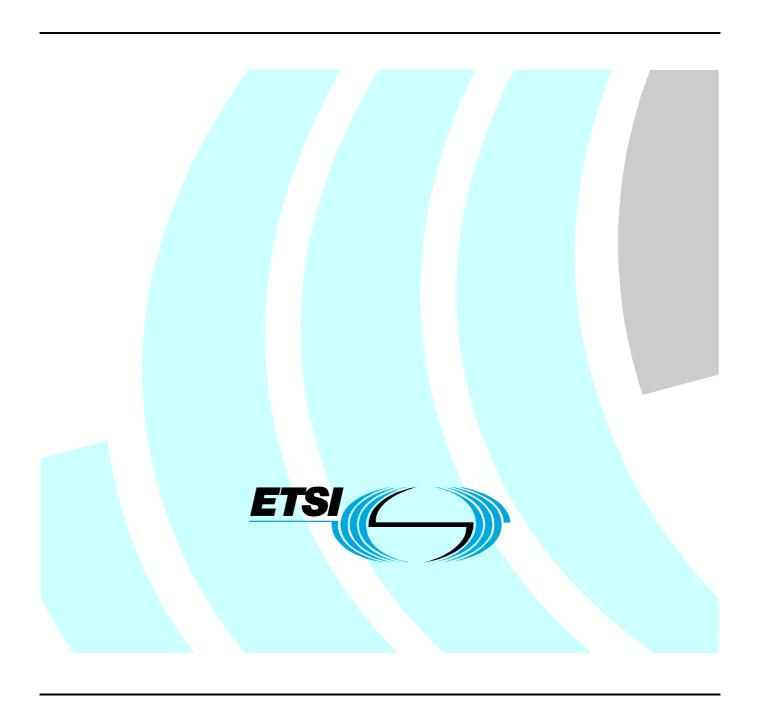
ETSI SR 000 314 V1.8.1 (2002-04)

Special Report

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



Reference RSR/IPRC-00006 Keywords IPR

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Foreword

This Special Report (SR) has been produced by ETSI on the basis 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/.

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 Security Lawful Interception (SEC LI)

NOTE: See http://portal.etsi.org/sec/sec_li.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

BBBarbados BD Bangladesh Belgium BEBFBurkina Faso BG Bulgaria BHBahrain BIBurundi BJBenin BMBermuda

BN Brunei Darussalam

Bolivia BO Brazil BR **Bahamas** BSBTBhutan **Bouvet Island** BVBWBotswana 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
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
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

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 Kyrgyzstan KG 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 Mauritania MR MS Montserrat MTMalta MU Mauritius MV Maldives MW Malawi MX Mexico MY Malaysia MZMozambique Namibia 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 OM Oman PA Panama

PCT Patent Co-operation Treaty

PE Peru

PF French Polynesia PG Papua New Guinea

PH Philippines PK Pakistan PL Poland

PM Saint Pierre Et Miquelon

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

RU Russian Federation

RW Rwanda SASaudi Arabia SB Solomon Islands SC Seychelles SD Sudan SE Sweden Singapore SG Saint Helena SH 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

TGTogo Thailand THTJ Tajikistan TK Tokelau Turkmenistan TMTN Tunisia 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

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

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: 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 3GPP

Title: Data Transfer Method for Real Time Communications

Country of registration: TW
Application no.: 09/116,681
Countries applicable: US
ETSI Deliverable: 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 Countries applicable: US ETSI Deliverable: 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:TWApplication no.:88104305Countries applicable:TWETSI Deliverable: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 Countries applicable: US ETSI Deliverable: 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: 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

Company name: CCL/ITRI 3GPP Project:

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

Country of registration: Application no.: 09/234,871 Countries applicable: TW **ETSI Deliverable:** 125 922

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

licences under the IPRs on terms and conditions which are in accordance 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 3GPP Project:

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

Country of registration: TW Application no.: 88104305 Countries applicable: US **ETSI Deliverable:** 125 922

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

licences under the IPRs on terms and conditions which are in accordance 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: 3GPP

Remote Displays in Mobile Communication Networks Title:

Country of registration: Application no.: 09/863,425 Patent no.: pending Countries applicable: US, PCT

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:

Title: Data Conversion Apparatus and Data Conversion Method

Country of registration: JP Application no.: PCT/JP96/02154

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

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 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.

Company name: Wi-Lan Inc. Project: 3GPP

Multicode Direct Sequence Spread Spectrum Title:

Country of registration: CA Application no.: 186,784 Patent no.: 5,555,268 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

3GPP/AMR-WB

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: PCT
Application no.: F19800237
Countries 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 26.170 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 CorporationProject:3GPP/AMR-WB

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: US
Application no.: 509525
Patent no.: 5701392

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: SE

Application no.: 9600437-9

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: AR

Application no.: P960101681

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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: US Application no.: US 09/057680

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: CA
Application no.: 2210765

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: US
Application no.: 08/965303
Patent no.: 5960389

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: Methods for generating comfort noise during discontinuous transmission

Country of registration: AR

970105360

Application 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.

Company name: Nokia Corporation Project: 3GPP/AMR-WB

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration: BR

Application no.: PI9705747.9

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.: 98106901.0

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: Methods for generating comfort noise during discontinuous transmission

Country of registration: EPO 97309213.3

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

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: DE 19604273.9

ETSI Deliverable:

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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

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: JP

Application no.: 9-313957

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: BR Application no.: 960702

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: AU

Country of registration: AU Application no.: 44796/96

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: Methods for generating comfort noise during discontinuous transmission

Country of registration: CN
Application no.: 97126203.9

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: FR
Application no.: 9601426
Patent no.: 2730336

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: 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.: 1299063 ETSI Deliverable: 1299063 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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration:

Application no.: 10-098937

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.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Title: Depth-first algebraic codebook search for fast coding of speech

Country of registration: Application no.: 96903854,6 Patent no.: 516621

DE, ES, FR, GB, IT, SE 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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: KR Application no.: 705372

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: JP

Application no.: 523852/96

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:

Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Title:

Country of registration:

Application no.:

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

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

licences under the IPRs on terms and conditions which are 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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Country of registration:

ETSI Deliverable:

Application no.: 198CAL96

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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: Application no.:

9807608.6

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.

Company name: **Nokia Corporation** 3GPP/AMR-WB Project:

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: Application no.: ETSI Deliverable:

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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 3GPP/AMR-WB Company name: Project:

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: DF

Application 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.

Company name: Nokia Corporation 3GPP/AMR-WB Project:

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: FΙ Application no.: 973241

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.

Company name: Nokia Corporation 3GPP/AMR-WB Project:

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: ES Application no.: 9650025

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: FPO Application no.: 96900816,8

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: IN

Application no.: 422CAL96

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: CN Application no.: 9619309

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: AR Application no.: 335305

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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FR **Application no.:** 9804479

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: HK

Application no.: 98101406,9 98101406,9 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 26.1

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: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: ES
Application no.: P97500

ETSI Deliverable:

P9750009

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: Depth-first algebraic codebook search for fast coding of speech

Country of registration:

Application 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: NŎ Application no.: 973472

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 3GPP/AMR-WB Company name: Project:

Title: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: RŬ Application no.: 97114804

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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FΙ Application no.: 971484

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.

Company name: Nokia Corporation 3GPP/AMR-WB Project:

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: US Application no.: 662991 Patent no.: 5946651

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

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: RU Application no.:

ETSI Deliverable:

98101107

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

Company name: Nokia Corporation 3GPP/AMR-WB Project:

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: CA Application no.: 2010830 Patent no.: 2010930

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: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: IN

Application no.: 1054/MAS/96

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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 96920925,3

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 26.190 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: Project: 3GPP/AMR-WB

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: CN Application no.:

96196226,7

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: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: CA Application 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

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: BR

Application no.: 9608479-0

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: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: AU
Application no.: 62309/96
Patent no.: 714742

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: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: GB
Application no.: 9512284,2
Patent no.: 714752

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: ZA
Application no.: 96/0852
Patent no.: 96/0852

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

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: SGPP/AMR-WB

Title: Speech synthesizer employing post-processing for enhancing the quality of the synthesized speech

Country of registration: JP 9-502809

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: CA Patent no.: CA

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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: RU Application no.: 97116484

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: MY

Application no.: PI960084

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

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: 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

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: JP 527130/96

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.

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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

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: MY

Application no.: PI9600300

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: Vector adaptative predictive coder for speech and audio

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.

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: US
Application no.: 508801
Patent no.: 5754976

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: Vector adaptative predictive coder for speech and audio

Country of registration: US
Application no.: 35615
Patent no.: 4969192

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: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: US
Application no.: 927528
Patent no.: 5444816

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; 3

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: AU 47811/96

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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: B

Application no.: PI9607144.3

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

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: CN

Application no.: 96193196,5

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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: MX
Application no.: 975997

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: JP

Application no.: 84973/1988
Patent no.: 2887286

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: VoiceAge Corp. Project: 3GPP/AMR-WB

Title: Periodicity Enhancement in Decoding Wideband Signals

Country of registration:

Application no.: PCT/CA99/01009

Countries applicable: US, CA, DE, GB, FR, IT, ES, NL, CH, LI, BE, SE, AT, DK, FI, PT, GR, MC, IE, LU, CY, JP, CN **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

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 and Device for adaptive bandwidth pitch Search in Coding Wideband Signals

Country of registration: PCT

Application no.: PCT/CA99/01008

Countries applicable: US, CA, MX, BR, DE, GB, RU, FR, IT, ES, NL, CH, LI, BE, SE, AT, NO, DK, FI, PT, GR, MC, IE, LU, CY,

JP. CN. KR. HK. IN. MY. AU. 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 FTSI 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

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. 3GPP/AMR-WB Project:

Title: Perceptual Weighting Device and Method for Efficient Coding of Wideband Signals

Country of registration:

Application no.: PCT/CA99/01010

Countries applicable: US, CA, MX, BR, DE, GB, RU, FR, IT, ES, NL, CH, LI, BE, SE, AT, NO, DK, FI, PT, GR, MC, IE, LU, CY,

JP, CN, KR, HK, IN, MY, AU, NZ, 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

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. 3GPP/AMR-WB Project:

High Frequency Content Recovering Method and Device for Oversampled Synthesized Wideband Signal Title:

Country of registration:

PCT Application no.:

Countries applicable: US, CA, DE, GB, FR, IT, ES, NL, CH, LI, BE, SE, AT, DK, FI, PT, GR, MC, IE, LU, CY, JP, CN, 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

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: PCT

Application no.: PCT/CA00/01381

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: A Method for Indexing Pulse Positions and Signs in Algebraic Codebooks for Efficient Coding of

Wideband Signals

Country of registration: CA

Application no.: 2,327,041

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 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

Company name: Bijitec
Project: 3GPP/EMS

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: TW 0078026
Countries applicable: TW 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.

Company name: Bijitec
Project: 3GPP/EMS

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: S

Application no.: PCT/SG01/00088

Countries applicable: PCT 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.

Company name: Bijitec Project: 3GPP/EMS

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: CN
Application no.: 99127048.7

Countries applicable: CN 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.

Company name: Bijitec Project: 3GPP/EMS

Title: System and method for compressing stroke-based handwriting and line drawing

Country of registration: TH
Application no.: 065426
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

BRAN

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic assignment of signalling virtual channels for wireless ATM systems

Country of registration: PCT **Patent no.:** 97/39595

Countries applicable: CN, 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.

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

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

licences under the IPRs on terms and conditions which are in accordance 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: US
Patent no.: 5907542
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.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic connection mapping in wireless ATM systems

Country of registration: US
Patent no.: 5787077
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.

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic Connection Mapping in wireless ATM Systems

Country of registration: PCT Patent no.: 97/47158

Countries applicable: CN, JP, KR, 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: EPO
Application no.: 1997/918309
Patent no.: 903054

Countries applicable: 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

Cable Modem

3COM Corporation Company name: Project: Cable Modem

Title: Method and System For Secure Cable Modem Initialization

Country of registration: Application no.: US 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: Cable Modem Project:

Title: Cable Modem With Dribble Grant Access System and Method

Country of registration: US Application no.: Pending Countries applicable: US

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

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 Provisioning Network Addresses in a Data-Over-cable System Title:

Country of registration: US Application no.: Pending 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 Cable Modem Project:

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 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 For Changing Type of Service in a Data Over Cable System

Country of registration: US Pending Application no.: 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: 3COM Corporation 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 Pending Application 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

3COM Corporation Company name: Project: Cable Modem

Title: Method and System for Bundling Data In a Data Over Cable System

Country of registration: Application no.: Pending 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

Method and System for Quality of Service Based Data Forwarding In A Data Over Cable System Title:

US Country of registration: Application no.: Pending 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:

Country of registration: US Application no.: n/a

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

Country of registration: US Application no.: n/a

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: 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

ETSI Deliverable: ETS 300 401

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: FI

Application no.: FR 88 15216 (=EP0369917)

Patent no.: FR-2 639 495

Countries applicable: FR, DE, ES, GB, IT, NL, US

ETSI Deliverable: ETS 300 401

Company name: France Telecom

Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration: n/a

 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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

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: FR, DE, GB, IT, NL, SE, US, JP

ETSI Deliverable: ETS 300 401

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 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: FR, GB, DE, US
ETSI Deliverable: ETS 300 401

Company name: France Telecom

Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration: n/a

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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

Company name: France Telecom

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

Company name: France Telecom

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: FR, GB, DE, US
ETSI Deliverable: ETS 300 401

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: EPO

Application no.: 93 116 353.9 (div of EP0369371)

Patent no.: EP 0 600 193

Countries applicable: FR, ES, GB, IT, NL

ETSI Deliverable: ETS 300 401

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation

Country of registration: DE

Application no.: DE 44 05 752

Countries applicable: DE

Company name: Grundig E.M.V.

Project:

DAB

Title:

Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: EPO 93108160.8

Patent no.: EP 0 580 976

Countries applicable: ETSI Deliverable: ETS 300 401

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation

Country of registration: EPO
Application no.: 96100540.4
Patent no.: EP 0 670 643 A1

Countries applicable: AT, BE, DE, CH, ES, FR, GB, IT, LI, LU, NL, PT, SE

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zur Realisierung eines Rückübertragungskanals vom Empfänger

zum Sender in einem Gleichwellenne

Country of registration: DE

Application no.: DE 44 44 889

Countries applicable: 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: DE

Application no.: DE 44 24 778

Countries applicable: 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: AU, BR, CA, CN, CZ, FI, JP, KR, MX, NO, PL, US, EPO

Company name: Grundig E.M.V.

Project: DAB

Title: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel

Country of registration: DE

Application no.: DE 44 25 973

Countries applicable: DE

Company name: Grundig E.M.V.

Project: DAB

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: AU, BR, CA, CN, CZ, FI, JP, KR, MX, NO, PL, US, EPO

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal

Country of registration: DE
Application no.: DE 43 41 211
Countries applicable: DE

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal

Country of registration: EPO
Application no.: 94118808.8
Patent no.: EP 0 656 702 A1

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, PT

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
Countries applicable: DE

Company name: Grundig E.M.V.

Project: DAB

Title: Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Network

Country of registration: DE

Application no.: DE 41 02 408

Countries applicable: DE

Company name: Grundig E.M.V.

Project: DAB

Title: Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Networks

Country of registration: PCT WO 92/13403

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, JP, LU, MC, NL, SZ, US

Company name: Grundig E.M.V.

Project: DAB

Title: Gleichwellennetze und Empfänger zum Durchführen der empfangsseitigen Massnahmen

Country of registration:EPOApplication no.:HEI-5-169296ETSI Deliverable:ETS 300 401

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: DE

Application no.: DE 42 22 877
Countries applicable: DE
ETSI Deliverable: ETS 300 401

Company name: IRT Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration: n/a

 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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

Company name: IRT Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration: n/a

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, IT, LI, LU, NL, SE, HK, SG, IN, US

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: 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

Company name: Philips **Project:** DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration: n/a **Application no.:** n/a (div of EP-0 402 973)

Patent no.: (div of EP-0 402 973)

EP-0 599 824

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

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

Company name: Philips Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration: n/a

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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

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: 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: FR, GB, DE, US
ETSI Deliverable: ETS 300 401

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

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:
 FR, DE, ES, GB, IT, NL, US

ETSI Deliverable: ETS 300 401

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,

NL, PL, RU, SE, SG, SI, SK, TW, UA, US

ETSI Deliverable: ETS 300 401

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: FR, DE, GB, IT, NL, SE, US, JP

ETSI Deliverable: ETS 300 401

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: FR, ES, GB, IT, NL
ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration: n/a

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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

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 FR

Country of registration:

Application no.: FR 90 03927
Patent no.: FR-2 660 131
Countries applicable: FR, GB, DE, US
ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project: DAB

Title: Digital transmission system for transmitting an additional signal such as a surround signal

Country of registration: n/a

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, IT, LI, LU, NL, SE, HK, SG, IN, US

ETSI Deliverable: ETS 300 401

Company name: Telefunken Sendertechnik GmbH

Project: DAB

Title: Verfahren und Anordnung zur Messung der Trägerfrequenzablage in einem

Mehrkanalübertragungssystem

Country of registration: DE

 Application no.:
 P 41 28 713

 Patent no.:
 EP 0529 421

Countries applicable: AT, BE, CH, DE, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE, US

Telefunken Sendertechnik GmbH

DAB

Verfahren zur digitalen Datenübertragung im Nullsymbol des COFDM-Modulationsverfahrens

DE

Company name:
Project:
Title:
Country of registration:
Application no.:
Patent no.: P 41 38 770 EP 0614 584 DE, FR, GB, IT, ES, SE, US ETS 300 401

Countries applicable: ETSI Deliverable:

DCS 1800

Company name: Matra
Project: DCS 1800
Country of registration: AU
Application no.: 638 160

Company name: Matra
Project: DCS 1800
Country of registration: FI
Application no.: 91 03 903

Company name: Matra
Project: DCS 1800
Country of registration: EPO
Application no.: 0472 460 B1

Company name: Philips Project: Philips 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

Company name: Philips Project: DCS 1800

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

Company name: Philips
Project: Project: Philips

Title: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen

Country of registration: EPO 86201267.1 Patent no.: EPO 210 698

Company name: Philips
Project: DCS 1800

Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems

Country of registration: EPO
Application no.: 82107529.8
Patent no.: EP 0 073 014 B1

Company name: Philips Project: DCS 1800

Title: Improvements in or relating to Digital Filters

Country of registration:GBApplication no.:8104155Patent no.:GB 2069799Countries applicable:GB

Company name: Philips
Project: DCS 1800

Title: Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation

bestehenden Funkverbindung

Country of registration: EPO
Application no.: 83201768.5
Patent no.: EP 0 111 973 B1

Company name: Philips
Project: DCS 1800

Title: Procédé pour reconnaître l'utilisation illicite d'une identification

Country of registration: FR
Application no.: 8504296
Patent no.: FR 256 184 1
Countries applicable: FR

Company name: Philips
Project: DCS 1800

Title: Dienstintegriertes Funkübertragungssystem

Country of registration: EPO 86200724.2
Patent no.: EP 0 201 126 B1

Company name: **Philips** Project: DCS 1800

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

Philips Company name: Project: DCS 1800

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: Application no.: 83201765.1 EP 0 111 970 B1 Patent no.:

Company name: **Philips** Project: DCS 1800

Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals durch eine bewegliche

Funkstation EPO

Country of registration: 87200545.9 Application no.: Patent no.: EP 0 240 073 B1

Company name: **Philips** Project: DCS 1800

Title: Information transmission system

Country of registration: GB Application no.: 8008510 Patent no.: GB 2063011 Countries applicable: GB

Philips Company name: DCS 1800 Project:

Title: Multiple-access communications system

Country of registration: EPO Application no.: 84201107.4 EP 0 134 057 Patent no.:

Company name: Philips Project: DCS 1800

Multi-pulse excitation linear-predictive speech coder Title:

Country of registration: EPO 86200434.8 Application no.: Patent no.: EP 0 195 487 B1

DECT

Company name:
Project:
DECT
Title:
Ukrainian SSR
Country of registration:
Application no.:
9504662
Countries applicable:
UA
ETSI Deliverable:
UA
ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: IN
Application no.: 201195
Countries applicable: IN
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: MA
Application no.: 24082
Countries applicable: MA
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: NZ
Application no.: 297000
Countries applicable: NZ
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: PE
Application no.: 285380
Countries applicable: PE
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: PL
Application no.: 315625
Countries applicable: PL
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure Country of registration: RU

Application no.: 86116584
Countries applicable: RU
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: ZA
Application no.: 959877
Countries applicable: ZA
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration: EPO 96109652.6 Patent no.: 751634

Countries applicable: AT, BE, FR, DE, IT, LI, NL, ES, SE, CH, GB

ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: TH
Application no.: 1344
Countries applicable: TH
ETSI Deliverable: ETR 310

Company name: Alcatel
Project: DECT
Title: Ukrainian SSR
Country of registration: US
Application no.: 676389
Countries applicable: US
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: HU
Application no.: 9601896
Countries applicable: HU
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Wireless Tie Line

Country of registration: EPO
Application no.: 92121870.7
Patent no.: 553485

Countries applicable: AT, BE, DE, IT, NL, ES, SE, CH, GB

ETSI Deliverable: ETS 300 822

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: ES
Application no.: 9402471
Countries applicable: ES
ETSI Deliverable: ETR 310

Company name: Alcatel
Project: DECT
Title: Wireless Tie Line

Country of registration: US
Application no.: 6808
Patent no.: 5355402

Countries applicable: US
ETSI Deliverable: ETS 300 822

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: AU
Application no.: 56167
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: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: CA
Application no.: 2112511
Countries applicable: CA
ETS! Deliverable: ETS 200.17

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: 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

 Patent no.:
 2700086

 ETSI Deliverable:
 ETS 300 175-3

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: JP
Application no.: 331170/93
Countries applicable: JP
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: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: NO
Application no.: 934859
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: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration: US
Application no.: 175555
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: 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, DK, FR, DE, IT, NL, ES, SE, CH, GB

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: DE
Application no.: 19523489
Countries applicable: DE
ETSI Deliverable: ETR 310

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: FI
Application no.: 935885
Countries applicable: FI
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: FI
Application no.: 963008
Countries applicable: FI
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration: AU
Application no.: 56167
Countries applicable: AU
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration:JPApplication no.:170176/96Countries applicable:JPETSI Deliverable:ETR 310

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration:NZApplication no.:286843Countries applicable:NZETSI Deliverable:ETR 310

Company name: Alcatel Project: DECT

Title: DECT Frame Synchronization

Country of registration:USApplication no.:661373Countries applicable:USETSI Deliverable:ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: EPO 95940248.8 795238 FR, DE, IT, SE, GB ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: AR
Application no.: 95010299
Countries applicable: AR
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: AU
Application no.: 41762
Countries applicable: AU
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: BR
Application no.: 9506646-2
Countries applicable: BR
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: CN
Application no.: 95191406.5
Countries applicable: CN
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Wireless Tie Line

Country of registration: DE
Application no.: 4201561.8
Countries applicable: DE

ETSI Deliverable: ETS 300 822

Company name: Ascom Management AG

Project: DECT

Title: Communication System, Method of Communication and Base Station

Country of registration: EPO
Application no.: 2001-110202
Countries applicable: EPO

ETSI Deliverable: EPO EN 300 175-3 (Annex H)

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

licences under the IPRs on terms and conditions which are in accordance 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: DEC

Title: Communication System, Method of Communication and Base Station

Country of registration: EPO
Application no.: 2001-110202
Countries applicable: EPO
ETSI Deliverable: EN 300 175-3

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

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

Company name: Ascom Management AG

Project: DECT
Title: Dect Identities
Country of registration: CH
Application no.: 2000-2462
Countries applicable: CH

ETSI Deliverable: EN 300 175-5 (Clause 15.9)

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

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

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

Company name:CanonProject:DECTTitle:MMAPCountry of registration:n/a

Notes: Canon (Canon Research France - CRF) has declared that, in the event the proposed standard is adopted,

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: DECT

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
Countries applicable: NI ES GR IT

Countries applicable: NL, ES, GB, IT, FR, DE ETSI Deliverable: ETS 300 756, ETS 300 792

Company name: Nokia Project: DECT

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: JP
Application no.: 8-136887

ETSI Deliverable: ETS 300 756, ETS 300 792

Company name: Nokia Project: DECT

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: FI
Application no.: 952813
Patent no.: FI 98176

ETSI Deliverable: ETS 300 756, ETS 300 792

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: AT
Application no.: A1990/95
Patent no.: 408171
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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: JP

Application no.: 08-518306 **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: CH
Application no.: 3510/95
Patent no.: 691647
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 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: DE
Application no.: 19545767,6
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: FR
Application no.: 9514476
Patent no.: 9514476
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: GB
Application no.: 9525018,9
Patent no.: 2296161
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:

Application no.: MI95A002579
Patent no.: 1277976
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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

DECT

Country of registration: FI
Application no.: 945844
Patent no.: 104870
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:

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

Country of registration: JP
Application no.: 8-136887
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:USApplication no.:08/849504Patent no.:6122498ETSI 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 US

Country of registration: US
Application no.: 08/659590
Patent no.: 6081534
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: PCT

Application no.: PCT/FI95/00674

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: PC7

Application no.: PCT/FI96/00305
Patent no.: PCT/FI96/00305
WO 9641490

ETSI Deliverable: ETS 300 756, ETS 300 792, 01.48

Company name: Nokia Corporation

Project: DECT

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: AU
Application no.: 58218/96
Patent no.: 716363
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

Company name: Nokia Corporation

Project:

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: CN Application no.: 96195981,9 **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**

IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND Title:

DECT Country of registration: EPO Application no.: 96304138,9

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

DECT Project:

Title: IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND

DECT

Country of registration: RU Application no.: 97119934 2153238 Patent 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

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

Company name: Nokia Corporation

Proiect: DECT

IMPLEMENTATION OF MUTUAL RATE ADAPTATIONS IN DATA SERVICES BETWEEN GSM AND Title:

DECT Country of registration: FΙ Application no.: 952813 Patent no.: 98176 **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: SF Application no.: 9504420-2 **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: Telia AB Project: **DECT** Country of registration: n/a Patent no.: 505209

Countries applicable: SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Notes:

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: Country of registration: n/a Application no.: 9624228 Countries applicable:

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: DECT Country of registration: n/a Application no.: 9500365-3 SE

Countries applicable:

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: DECT

Country of registration: n/a Application no.: 9400119-5 Countries applicable: 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: Country of registration: Application no.:

Countries applicable:

Notes:

Telia AB DECT n/a 9600458 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: Telia AB Project: DECT Country of registration: n/a Application no.: 9504962 NO

Countries applicable:

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: DECT Country of registration: n/a Application no.: 9500121-0 Countries applicable:

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: **DECT** Country of registration: n/a 776551

Application no.: Countries applicable:

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.

EPO

Company name: Telia AB Project: DECT Country of registration: n/a

Application no.: 722229 EPO Countries applicable: 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: DECT
Country of registration: n/a
Application no.: 726690
Countries applicable: 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 Constitution.

Standards.

Company name: Telia AB

Project: DECT
Country of registration: n/a
Application no.: 9639785
Countries applicable: 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.

Company name: Telia AB Project: DECT

Title: A Mobile Radio System

Country of registration: PCT

Application no.: PCT/SE95/00610

Company name: Telia AB Project: DECT

Title: A Radio-based Communication System

Country of registration: PCT

Application no.: PCT/SE95/00259

Company name: Telia AB Project: DECT

Title: Arrangement for Improving Functions in a Radiocommunications System

Country of registration: EPO 95850041.5

Company name: Telia AB Project: DECT

Title: Arrangement in a DECT System Country of registration: EPO

Application no.: 95850001.9

Company name: Telia AB

Project: Tella A
DECT

Title: A Mobile Radio System Country of registration: EPO

Application no.: 94902147.1

Company name: Telia AB

Project: DECT

Project: DECT
Country of registration: n/a
Application no.: 9502052-5
Countries applicable: 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: Telia AB
Project: DECT
Country of registration: n/a
Application no.: 9532680
Countries applicable: AU

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

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: DECT

Title: Device at Telecommunication Systems

Country of registration: PCT

Application no.: PCT/SE95/00845

Company name: Telia AB Project: DECT

Title: A Mobile Radio System

Country of registration: PCT

Application no.: PCT/SE95/00998

Company name: Telia AB
Project: DECT
Country of registration: n/a
Application no.: 9402769-5
Countries applicable: 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: Telia AB
Project: DECT

Title: Device at Telecommunication Systems

Country of registration: PCT

Application no.: PCT/SE95/00846

Company name: Telia AB
Project: DECT
Country of registration: n/a
Application no.: 9702266-9
Countries applicable: 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: Telia AB
Project: DECT

Country of registration: n/a
Application no.: PCT/SE98/01087
Countries applicable: FPO FF LV LT NO.

Countries applicable: EPO, EE, LV, LT, NO Notes: EPO, EE, LV, LT, 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: Telia AB
Project: DECT
Country of registration: n/a
Application no.: 9300162

Application no.: 9300162
Countries applicable: 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: Telia AB
Project: DECT
Country of registration: n/a
Application no.: 9458446
Countries applicable: AU

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: DECT
Country of registration: n/a
Application no.: 680676

Countries applicable:

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: Country of registration: Telia AB DECT n/a Patent no.: 5761194 Countries applicable: Notes:

US
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: Arrangement for Handover in a Mobile Telecommunication Network

Country of registration: SE 9500408-1 Application no.: Countries applicable: SE

Company name: Telia AB Project: DECT/GSM Country of registration: n/a Application no.: 9643382 Countries applicable: ΑU

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Notes:

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: DECT/GSM

Country of registration: n/a Application no.: 9500407-3 Countries applicable: 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: Telia AB

Project: DECT/GSM Country of registration: n/a Application no.: 9625015 Countries applicable: **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.

Company name: Telia AB Project: DECT/GSM Country of registration: n/a

Application no.: 725552 Countries applicable: **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 Project: DECT/GSM Country of registration: n/a Application no.: 9500408

Countries applicable: SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Notes:

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:

DECT/GSM Project: Country of registration: n/a Application no.: 808549 Countries applicable: **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/GSM Project:

Title: Method and Arrangement for Transfer between a Cordless Telecommunications System and a Cellular

Mobile Telecommunications System

Country of registration: SE Application no.: 9500407-3 Patent no.: 503 848 Countries applicable:

DIIS

Company name: Motorola Project: DIIS

Title: Wireless Communication System and Station for use therein

Country of registration: **EPO** Application no.: EP0701335B Countries applicable: DE, FR, GB, NL, SE

The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent Notes:

number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola Project: DIIS

Title: Digital Communications System

Country of registration: GB

Patent no: GB2358557A

Countries applicable: GB

Notes: The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent

number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs. ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola DIIS Project:

Title: Communications Apparatus

Country of registration: GB

Patent no.: GB2259387B

Countries applicable: GB

Notes: The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent

number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola DIIS Project:

Title: Selective system scan for multizone radiotelephone subscriber units

Country of registration: **EPO**

Patent no.: EP0352786B2

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

Notes:

The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola DIIS Project:

Title: Digital Communications System

Country of registration: **EPO**

EP0001071.0 Patent no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR Notes:

The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola Project: DIIS

Title: Digital Radio and Digital Radio Communications System

Country of registration: GB

Patent no.: GB2364204A

Countries applicable: Notes:

GB

The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared patent number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

Company name: Motorola Project: DIIS

Digital Radio and Digital Radio Communications System Title:

Country of registration: EPO Application no.: 01947403.0

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

The SIGNATORY and/or its AFFILIATES hereby have informed ETSI that the above-declared application Notes:

number is essential to the DIIS standard. Motorola has further communicate to ETSI that being aware of the requirement within the IPR Policy, Section 6.1, that Motorola is to give within three months a written undertaking as set out in Annex 1 (of the ETSI IPR Information Statement and Licensing Declaration form) to grant licences under these IPRs, ETSI should consider such a request to have been received by

Motorola and to expect further communication on the subject within that time.

DTM

Net Insight Company name: Project: DTM

Title: Method and arrangement for dynamic signalling

SE

Country of registration: Application no.: WO 97/36401

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

Method, system and apparatuses for transferring information between nodes in a circuit switched time Title:

division multiplexed network

Country of registration:

Application no.: WO 99/16215

ETSI Deliverable: DES/SPAN-13 0005 (ES 201 803-2)

SE

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: Methods and systems for determining network topology

Country of registration: SE

Application no.: WO 00/31925

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 apparatus for distributing messages in a communication network Title:

Country of registration:

Application no.: EP 1024677

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.

DVB

Patent no.:

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:

92 460013.3 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:

US Patent no: 5,446,747 Countries applicable: US **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

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: HK

Patent no.: 98 106926.9 HK

Countries applicable:

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.

France Telecom Company name:

Project: DVB

Title: Procédé de codage itératif, module de décodage et décodeur correspondant

Country of registration: FR

Application no.: 96 107690.8 Countries applicable: DE, GB **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 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 99 09631 Application 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

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: FR

PCT FR 00/02080

Application no.: 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: 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

ius Country of registration: Application no.: 09/616,782 Countries applicable: US **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

France Telecom Company name:

Proiect: DVB

Procédé et dispositif de codage à au moins deux codages en parallèle et permutation améliorée du Title:

procédé et dispositif de décodage correspondants

Country of registration: AR

P 00 0103733 Application no.: Countries applicable: 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

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: FR

Patent no.: 91 05280 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: SES-ASTRA

Project: DVB

Title: Apparatus and method for generating a carrier frequency

Country of registration: **EPO**

Application no.: PCT/EP00/01037 AU, BR, CA, JP, US Countries applicable: **ETSI Deliverable:** TR 101 790

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: SES-ASTRA

Project: DVB

Title: Apparatus and method for generating a carrier frequency

Country of registration: FPO Application no.: EP99107496.4 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

Apparatus and method for generating a carrier frequency Title:

Country of registration: EPO Application no.: HK00106169.2

Countries applicable: HK **ETSI Deliverable:** TR 101 790

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

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: FR Patent no.: 94 06043 Countries applicable: FR

Notes: 14 impasse des Verbeuses, 94800 Villejuif, France

Company name: Motorola Project: ERMES

Title: Power Conservation Method and Apparatus for a Portion of an Information Signal

Country of registration: **EPO**

EP 89913131.2 Application no.:

Company name: Motorola Project: **FRMFS**

Title: Multiple Format Signalling Protocol for a Selective Call Receiver

Country of registration: **EPO**

EP 92901376.1 Application no.:

Company name: Motorola Project: **FRMES**

Title: Nation-wide Paging with Local Modes of Operation

Country of registration:

Application no.: EP 90915018.7

Company name: Motorola Project: **ERMES**

Title: Decoder for Transmitted Message Activation Codes

Country of registration: **EPO** Patent no.: EP 0 090 851

Company name: Motorola Project: **ERMES**

Title: Multiple Frequency Message System

Country of registration: **EPO**

Application no.: EP 89909668.9

Company name: Motorola Project: **ERMES**

Title: Multiple Frequency Scanning

Country of registration: **EPO**

Application no.: EP 91904526.0

Company name: Nexus Telocation Systems, Ltd.

Project: **FRMFS**

Low-Power Frequency-Hopped Spread Spectrum Acknowledgment Paging System Title:

Country of registration: Patent no.: IB94/00370 Notes:

ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES** Title: Remote Position Determination System

Country of registration: GB

Patent no.: 0583522

AT, FR, DE, IT, NL, GB Countries applicable: **ERMES 2-Way Paging** Notes:

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Remote Position Determination System

Country of registration: NL

Patent no.: 0583522

Countries applicable: AT, FR, DE, IT, NL, GB **ERMES 2-Way Paging** Notes:

Company name: Nexus Telocation Systems, Ltd.

Project: **ERMES**

Title: Remote Position Determination System

Country of registration: DE

Patent no.: 0583522

Countries applicable: AT, FR, DE, IT, NL, GB Notes: **ERMES 2-Way Paging**

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: IT

Patent no.: 0583522

Countries applicable: AT, FR, DE, IT, NL, GB **Notes:** ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: EPO 0583522

Countries applicable: AT, FR, DE, IT, NL, GB **Notes:** ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: FR

Patent no.: 0583522

Countries applicable: AT, FR, DE, IT, NL, GB **Notes:** ERMES 2-Way Paging

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

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Synchronization System for a Shared Channel Communication System

Country of registration: EPO 96901912.4

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: PCT Patent no.: PCT GB96/00270

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Multi-Path Resistant Frequency-Hopped Spread Spectrum Mobile Location System

Country of registration: PCT **Patent no.:** IB94/00372

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Synchronization System For A Shared Channel Communication System

Country of registration: PCT
Patent no.: GB96/00268
Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Two-Way Pager Having Prerecorded Uplink Messages and Pager to Pager Messaging

Country of registration: PCT
Patent no.: GB96/00257
Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: AT Patent no.: 058

0583522

Countries applicable: AT, FR, DE, IT, NL, GB **Notes:** ERMES 2-Way Paging

Nexus Telocation Systems, Ltd. ERMES

Pager with Reverse Paging Facility EPO 92311872.3 ERMES 2-Way Paging

Company name:
Project:
Title:
Country of registration:
Application no.:
Notes:

GMR

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,715,365

Countries applicable: US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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

standard

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,701,390

Countries applicable: US

TS 101 377 (all parts & sub-parts) **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Digital Voice Systems Inc. (DVSI) Company name:

Project: **GMR** Title: n/a Country of registration: US 5,701,390 Patent no.: Countries applicable: US

ETSI Deliverable:

TS 101 376 (all parts & sub-parts)

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

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standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,754,974 Countries applicable: 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

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no : 5,754,974

US

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

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standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,826,222

Countries applicable: 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

standard.

Digital Voice Systems Inc. (DVSI) Company name:

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,715,365 US

Countries applicable:

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

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** Title: n/a Country of registration: US Patent no.: 5,226,084 Countries applicable: 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

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: **GMR** n/a Title: Country of registration: LIS Patent no.: 5,226,084 Countries applicable: US

ETSI Deliverable: TS 101 376 (all parts & sub-parts)

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

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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: **GMR** Title: n/a Country of registration: US Patent no.: 5,826,222 US

Countries applicable:

ETSI Deliverable: TS 101 376 (all parts & sub-parts)

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

licences under the IPRs on terms and conditions which are 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: **Ericsson Mobile Communications**

Project:

Title: Transmitter Power Control for Radio Telephone System

Country of registration: GB

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: Transmitter Power Control for Radio Telephone System

Country of registration:

Patent no.: GB 2 233 517

Countries applicable: GB

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. 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 101 377-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** Receiver Gain Title:

Country of registration: GB

Patent no.: GB 2 233 846

Countries applicable: GB

ETSI Deliverable: TS 101 376 (all parts & sub-parts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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: Improvements in, or in relation to, equalisers

Country of registration: GB

Patent no.: GB 2 215 567

Countries applicable:

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. 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 101 377-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

Country of registration: GB

GB 2 251 768 Patent no.:

Countries applicable: GB

ETSI Deliverable: TS 101 376 (all parts & sub-parts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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: Improvements in, or in relation to, equalisers

Country of registration: GB

Patent no.: GB 2 215 567

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: Receiver Gain

Country of registration: GB

Patent no.: GB 2 233 846

Countries applicable: GB

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

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

licences under the IPRs on terms and conditions which are 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 101 377-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: **Fricsson Mobile Communications**

Project: **GMR**

Title: Power Booster

Country of registration: GB

Patent no.: GB 2 251 768

Countries applicable:

TS 101 377 (all parts & sub-parts) **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. 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 101 377-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: **Hughes Network Systems**

Project: **GMR** Title: n/a Country of registration: US

Patent no.: US Patent application pending

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. Hughes Network Systems has filed patent applications in the U.S and abroad covering various features of ETSI proposed standards DTS/SES-GMR-1 (TS 101 376) and/or DTS/SES-GMR-2 (TS 101 377). These patents, when

issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name: **Hughes Network Systems**

Project: **GMR** Title: n/a Country of registration: US

Patent no.: US Patent application pending

Countries applicable:

US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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 proposed

standards DTS/SES-GMR-1 (TS 101 376) and/or DTS/SES-GMR-2 (TS 101 377). These patents, when issued, are expected to be "Essential IPRs" in relation to either or both standards.

Company name: Lockheed Martin Corporation

Project:

Title: Spacecraft Cellular Communication System with Mutual Offset High-Margin Forward Control Signals

Country of registration: US Patent no.: 6,072,985

Countries applicable: US

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., Notes:

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Enhanced Access Burst for Random Access Channels in TDMA Mobile Satellite System US

Country of registration:

Patent no.: 5,875,182 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

GMR Project:

Title: Cellular Spacecraft TDMA Communications System with Call Interrupt Coding System for Maximizing

Traffic Throughput

Country of registration: US Patent no.: 5,717,686

Countries applicable: US

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., Notes:

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 with Spot Beam Pairing for Reduced Updates

Country of registration: US

Patent no.: 6,118,998 US

Countries applicable:

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:

GMR

Title:

2.4-to-3 KBPS Rate Adaptation Apparatus for Use in Narrowband Data and Facsimile Communication

Systems

Country of registration: Patent no.:

US

Countries applicable:

6,108,348 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:

Project:

Lockheed Martin Corporation

GMR

Title:

Spacecraft Cellular Communication System with Mutual Offset High-Margin Forward Control Signals

Country of registration: Patent no.:

US 6.072.985

Countries applicable:

US

ETSI Deliverable:

Notes:

TS 101 376 (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

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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 5, 974,315

Patent no.: Countries applicable:

US

ETSI Deliverable:

TS 101 377 (all parts & sub-parts)

Notes:

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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: US

5, 974,315 Patent no.:

Countries applicable:

US **ETSI Deliverable:** TS 101 376 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., Notes:

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: **GMR**

Title: Spacecraft Cellular Communication System

Country of registration: US

Patent no.: 5,974,314

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

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Company name: Lockheed Martin Corporation

Project:

Title: Spacecraft Cellular Communication System

Country of registration: US Patent no.: 5,974,314

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.,

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expected to be "Essential IPRs" in relation to the standard.

Company name: Lockheed Martin Corporation

Project: **GMR**

Spacecraft Cellular Communication System with Spot Beam Pairing for Reduced Updates Title:

Country of registration: US

Patent no.: 6,118,998 Countries applicable: US

ETSI Deliverable: TS 101 377 (all parts & sub-parts)

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., Notes:

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Company name: Lockheed Martin Corporation

US

Project:

Title: Cellular Spacecraft TDMA Communications System with Call Interrupt Coding System for Maximizing

Traffic Throughput

Country of registration: Patent no.:

5,717,686

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

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expected to be "Essential IPRs" in relation to the standard.

Company name: Lockheed Martin Corporation

US

Project: **GMR** Title:

Enhanced Access Burst for Random Access Channels in TDMA Mobile Satellite System

Country of registration:

Patent no.: Countries applicable: 5,875,182

ETSI Deliverable:

US 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.

Lockheed Martin Corporation Company name:

Project:

Title: 2.4-to-3 KBPS Rate Adaptation Apparatus for Use in Narrowband Data and Facsimile Communication

> Systems US

GMR

Country of registration:

6,108,348 Patent no.: US

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: De Te Mobil GmbH

Project: **GPRS**

Title: Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz

Country of registration: PCT

Application no.: PCT/DE/00121

AT, BE, CH, LI, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, AU, BG, BR, CA, CN, CZ, JP, KR, Countries applicable:

PL, RU, SK, UA, US

Company name: De Te Mobil GmbH

Project: **GPRS**

Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz Title:

Country of registration: DE

Application no.: DE 44 02 903

Countries applicable: DE

Company name: Ericsson **GPRS** Project:

Title: Automatic retransmission request

Country of registration: JΡ

Application no.: 513397/95

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 KR

Country of registration:

Application no.: 702768/1995

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems Title:

Country of registration: KR Application no.:

703333/95

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 **GPRS** Project:

Title: Automatic retransmission request

Country of registration: MX Application no.: 408464

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW

Patent no.:

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,

Company name: Ericsson GPRS

Title: Automatic retransmission request

Country of registration: Application no.:

CN 94191070-9

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: Ericsson
Project: GPRS

Title: Automatic retransmission request

Country of registration: Patent no.:

CA 2296777

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Automatic retransmission request

Country of registration: CA **Patent no.:** 2296735

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Automatic retransmission request

Country of registration: CA **Patent no.:** 2152945

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: AU
Patent no.: 6911850

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: US 5590133

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: EPO
Application no.: 95901754-2
Countries applicable: DE, FR, GB
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,

Company name: Ericsson Project: **GPRS**

Title: Automatic retransmission request

Country of registration:

Patent no.: MY-111807-A

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: **GPRS** Project:

Title: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: Patent no.:

MX 189602

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: ΝZ 329739 Patent no.:

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: Fricsson **GPRS** Project:

Title: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems JĖ

Country of registration: Application no.:

516134/95

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

PI9806901-2

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: Ericsson **GPRS** Project:

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: Patent no.: 723470

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 for propagation delay control Title:

Country of registration: US Patent no.: 6205157

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 propagation delay control

Country of registration: Application no.:

99111506

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: MX

Application no.:

993937 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 propagation delay control Title:

Country of registration:

Application no.: 10-1999-7003786

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Fricsson **GPRS** Project:

Title: Method for propagation delay control JΡ

Country of registration:

Application no.: 521286/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 propagation delay control Title:

Country of registration:

17373/99

Application 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, 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: SG Patent no.: 43755

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**

Centralized radio network control on a mobile communications system Title:

Country of registration: BR

Application 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,

Title: Communicating packet data with a mobile station roaming within an incompatible mobile network

Country of registration: Application no.:

545566/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

Notes:

GPRS

CA

Communicating packet data with a mobile station roaming within an incompatible mobile network

2283886 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Centralized radio network control on a mobile communications system

Country of registration: Patent no.:

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

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

Company name: Fricsson GPRS Project:

Title: Centralized radio network control on a mobile communications system

Country of registration: US Patent no.: 5930241

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Ericsson Project: **GPRS**

Centralized radio network control on a mobile communications system Title:

Country of registration:

Patent no.: NI-116583

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: MX Application no.: 996495

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**

Centralized radio network control on a mobile communications system Title:

Country of registration: KR

10-1999-7006394 Application 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,

Title: Centralized radio network control on a mobile communications system

Country of registration: Application no.:

534212/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Centralized radio network control on a mobile communications system

Country of registration: Application no.:

IN 46/DEL/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

HU P0000844

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Centralized radio network control on a mobile communications system

Country of registration: **EPO** Application no.: 98901144-0 Countries applicable: DE, 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: **GPRS**

Title: Automatic retransmission request

Country of registration: NΖ Patent no.: 276573

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: Fricsson Project: **GPRS**

Centralized radio network control on a mobile communications system Title:

Country of registration: CA Application no.: 2277438

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 propagation delay control

Country of registration: **EPO** Application no.: 97911569

Countries applicable: DE, FI, FR, GB, IT, NL

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,

Title: Centralized radio network control on a mobile communications system

Country of registration: Application no.:

AU 5684598

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Application no.:

VE 167494

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Automatic retransmission request

Country of registration: US 5701298

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Automatic retransmission request

Country of registration: US
Patent no.: 569439'

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: US
Patent no.: 557704

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Automatic retransmission request

Country of registration: US 5633874

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW Patent no.: 144708

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Title: Automatic retransmission request

Country of registration: Application no.:

9608122-9

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: Ericsson
Project: GPRS

Title: Automatic retransmission request

Country of registration:

SE 9590175

Application no.:

95901754-2

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: Ericsson GPRS

Title: Automatic retransmission request

Country of registration: Application no.: NZ 500144

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 for propagation delay control

Country of registration: AU 731007

Notes: 751007
The SIGNATORY has

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: NZ

Country of registration: Patent no.:

atent no.: 329738

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or ites AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Centralized radio network control on a mobile communications system

Country of registration: CN **Application no.:** 98803413-1

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: Ericsson GPRS

Title: A Method for System Registration and Cell Reselection

Country of registration: AU 715222

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.: 516017/97

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.

Company name: **GPRS** Project: Title: Activity Control for a Mobile Station in a Wireless Communication System

HK

Country of registration: Patent no.: 1015109

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**

Activity Control for a Mobile Station in a Wireless Communication System Title:

Country of registration: DE

Application no.:

19681600.9

2234979

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Activity Control for a Mobile Station in a Wireless Communication System CA

Country of registration: Application 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,

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:

Application no.:

PI9611104-6

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 **GPRS** Project:

Title: A Method for System Registration and Cell Reselection

Country of registration: US Patent no.: 5768267

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**

A Method for System Registration and Cell Reselection Title:

Country of registration: MX Application no.: 983048

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Patent no.:

2321369

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: A Method for System Registration and Cell Reselection

Country of registration: Application no.:

DE

19681607.6

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: Ericsson Project: **GPRS**

A Method for System Registration and Cell Reselection Title:

Country of registration: Application no.:

96198838X Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Method for propagation delay control

Country of registration: Application no.:

CA 2269704

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

A Method for System Registration and Cell Reselection Title:

Country of registration:

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

Ericsson

Company name: **GPRS** Project:

Title: Allocation of channels for packet data services

Country of registration:

Application no.: PI9910067-3

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,

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

Company name: Ericsson Project: **GPRS**

A Method for Paging Mobile Stations Title:

Country of registration: US

Patent no.: 6091960

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Patent no.: HK1015600

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: **GPRS** Project:

Title: A Method for Paging Mobile Stations

Country of registration: GB Patent no.: 2321371

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.

Ericsson Company name: Project: **GPRS**

A Method for Paging Mobile Stations Title:

Country of registration: 196816084 Application 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,

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

Company name: Fricsson **GPRS** Project:

Title: A Method for Paging Mobile Stations

Country of registration: CN Application no.: 961988363

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

A Method for Paging Mobile Stations Title:

Country of registration: Application no.:

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 **GPRS** Project:

Title: A Method for Paging Mobile Stations

Country of registration:

Application no.: PI9611059-7

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**

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre Title:

Country of registration: TW Application 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,

Company name: Project:

Ericsson **GPRS**

Title: A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration: Application no.:

41214

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name:

GPRS

Project: Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration: Patent no.:

SE

Notes:

9604597-6 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: Project:

Ericsson **GPRS**

Title:

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre

Country of registration: Application no.:

PI9705856

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name:

Fricsson GPRS

Project: Title:

A Method for System Registration and Cell Reselection

Country of registration: Application no.:

CA 2235000

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Notes:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration:

CN 94191082-2

Application no.:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

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

Application no.:

MX

Notes:

998111 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

under the IPRs on terms and conditions which are 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** Method for propagation delay control Title:

Country of registration:

Application no.:

Company name:

PI9712464-8

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Improved routing area update procedure

Country of registration: CA Application no.: 2313117

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Ericssor Project: GPRS

Title: Method and arrangement in a radio communication system

Country of registration: US
Patent no.: 05

6097717

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 and arrangement in a radio communication system

Country of registration: SG **Patent no.:** 45599

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 and arrangement in a radio communication system

Country of registration: SE **Patent no.:** 504049

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: RU 2150794

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: NO Application no.: 97/4488

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 and arrangement in a radio communication system

Country of registration: KR Application no.: 706882/97

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,

Title: Method and arrangement in a radio communication system

Country of registration: Application no.:

529244/96

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title:

Country of registration: Application no.:

Notes:

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

FΙ 953775

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration: MX Application no.:

983044 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: EPO Application no.: 95903477-8

Countries applicable: DE, DK, FR, GB, GR, 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.

Company name: Ericsson Project: **GPRS**

Title: Activity Control for a Mobile Station in a Wireless Communication System US

Country of registration: Patent no.:

5806007

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **GPRS**

Title: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: CA Application no.: 2153871

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: ΑU Patent no.:

675898

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Allocation of channels for packet data services

Country of registration:

Application no.: 09/397863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Allocation of channels for packet data services

Country of registration: Patent no.:

US 5978368

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**

Allocation of channels for packet data services Title:

Country of registration: Application no.:

PI 9901660

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: Fricsson **GPRS** Project:

Title: Allocation of channels for packet data services GB

Country of registration: Application no.:

0026383-0

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: Ericsson Project: **GPRS**

Allocation of channels for packet data services Title:

Country of registration:

DE Application 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,

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: Application no.:

99808197-3

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,

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

Company name: Ericsson Project: **GPRS**

Allocation of channels for packet data services Title:

Country of registration: CL Application no.: 856-99

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,

Title: Allocation of channels for packet data services

Country of registration: Application no.:

2330845

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Method for propagation delay control Title: CN

Country of registration:

Application no.:

97181188-1

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.

Ericsson Company name: Project: **GPRS**

Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems Title:

Country of registration:

Application no.: 95903477-8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements JΡ

Country of registration: Patent no.:

2987199 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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 in a communication network Title:

Country of registration: MY

Application no.:

PI20005336 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Application no.: 2279521

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**

Packet Channel Feedback Title:

Country of registration: CA Application no.: 2234711

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Packet Channel Feedback

Country of registration:

Application no.:

PI9807168-8

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 **GPRS** Project:

Title: Packet Channel Feedback BR

Country of registration:

Application no.:

PI96111082-1 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.

Ericsson Company name: Project: **GPRS**

Packet Channel Feedback Title:

Country of registration: 713942 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,

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

Company name: Fricsson **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: US Patent no.: 5103445

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 of adapting a mobile radio communication system to traffic and performance requirements Title:

Country of registration: 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,

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: Patent no.: 8902845-0 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: Ericsson Project: **GPRS**

Method of adapting a mobile radio communication system to traffic and performance requirements Title:

Country of registration: N7 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,

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.: 415898

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Countries applicable: DE, FR, GB, IT

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 **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: KR Patent no.: 105635

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: Packet Channel Feedback

Country of registration: IN

Application no.: 288/DEL/98

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 of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: IT Patent no.: 415898

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: Fricsson Project: **GPRS**

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: GB Patent no.: 415898

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.:

415898

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

102438

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

ES Country of registration: 2045892

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

Ericsson Company name: Project: **GPRS**

Method of adapting a mobile radio communication system to traffic and performance requirements Title:

Country of registration: 415898 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,

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

Company name: Fricsson **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

DE Country of registration: Patent no.: 69003915

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Country of registration:

Application no.: Notes:

Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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: AU Patent no.: 633148

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 in a communication network Title:

2039162

Country of registration: US

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,

Title: Communicating packet data with a mobile station roaming within an incompatible mobile network

Country of registration: Patent no.:

6137791

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements MX

Country of registration:

Patent no.: Notes:

180449 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: **EPO** Application no.: 98901145-7 Countries applicable:

DE, FI, FR, GB, IT, NL

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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Patent no.: Notes:

US 5784362

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol SG

Country of registration: Patent no.:

46092 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Fricsson Project: **GPRS**

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: RU Patent no.: 2161873

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

NO 974762

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.:

707325/1997 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

JΡ 531663/96

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: EPO Application no.: 96911140-0

Countries applicable: BE, DE, ES, FI, FR, GB, IT, NL, SE

CN

CA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration:

Application no.: 96194797-7

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,

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

Company name: Ericsson Project: **GPRS**

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

2217059 Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

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

Company name: Fricsson Project: **GPRS**

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: ΑU Patent no.: 707346

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: US Patent no.:

6061346

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Packet Channel Feedback

Country of registration:

CN Application no.: 96198927.0

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: **GPRS** Project:

Title: Secure access method, and associated apparatus, for accessing a private data communication network

JΡ

Country of registration: Application no.:

528116/98

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 in a communication network Title: **EPO**

Country of registration: Application no.:

00976494-5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

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

Company name: Fricsson **GPRS** Project:

Title: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: CN Application no.: 98803340-2

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: Ericsson Project: **GPRS**

Secure access method, and associated apparatus, for accessing a private data communication network Title:

Country of registration: Application no.:

CA 2277054

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

BR PI9806769-9

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: Ericsson Project: **GPRS**

Secure access method, and associated apparatus, for accessing a private data communication network Title:

Country of registration: ΑIJ 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,

Title: Packet Channel Feedback

Country of registration:

Application no.: 08/796110

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Patent no.:

5910949

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

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

Company name: Ericsson Project: **GPRS**

Packet Channel Feedback Title:

Country of registration: Application no.:

87102076

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Company name: Fricsson

GPRS Project:

Title: Packet Channel Feedback

Country of registration: N7 Patent no.: 321257

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Packet Channel Feedback Title:

Country of registration:

MX

Application no.: 997228

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.: 982981

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**

Packet Channel Feedback Title:

Country of registration: JΡ

Application no.: 516014/97

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,

Title: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: Application no.:

996494

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address Country of registration: BR Application no.: PI9709572-9

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: Ericsson **GPRS** Project:

Title: Method in a communication network

Country of registration: SF Application no.: 9904655-9

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: Ericsson Project: **GPRS**

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

97181467/8

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: Ericsson Project: **GPRS**

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

2272594

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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: Fricsson Project: **GPRS**

Title: Method and apparatus for improving performance of a packet communications system BR

Country of registration:

Application 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

> under the IPRs on terms and conditions which are in accordance with 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 improving performance of a packet communications system

Country of registration: ΑU Patent no.:

720471

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration: Patent no.:

US 5708655

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Proiect: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

Country of registration:

address NZ

Patent no.:

333221

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Country of registration:

Application no.:

Notes:

MX 9810624

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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:

Ericsson **GPRS**

Project: Title:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

Country of registration:

Application no.:

address JΡ

501513/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Company name: Project:

GPRS

Title:

Notes:

Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

IN

Application no.:

1524/Del/97

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Country of registration:

EPO

Application no.:

97927559-1

DE, FI, FR, GB, IT, NL

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,

Title: Method and apparatus for improving performance of a packet communications system

Country of registration:

Application no.: 3395/DEL/1997

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address Country of registration: CA Application no.:

2257981

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: Fricsson **GPRS** Project:

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: JP Application no.:

524612/98

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 addressing a wireless communication station with a dynamically asigned Title:

address Country of registration: ΑU 3199797 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, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **GPRS**

Title: Link quality reporting using frame erasure rates

Country of registration:

US

Application no.: 08/859939 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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: US Patent no.: 6212379

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW Application no.:

87118940

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Improved routing area update procedure

Country of registration: Application no.:

97/5783

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Improved routing area update procedure

Country of registration: Application no.:

DE

19882862-4

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

98811938-2

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: Fricsson **GPRS** Project:

Title: Improved routing area update procedure CL

Country of registration: Application no.:

2956-98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

96198841.X

Application 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,

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.: PI9813491-4

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**

A method and an arrangement for controlling auxiliary equipment from a telecommunication control centre Title:

Country of registration:

Application 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,

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address CN

Country of registration: Application no.:

97197327-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,

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.:

Notes:

96194057-3

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

Company name: Ericsson **GPRS** Project:

Title: Method in a communication network

Country of registration: Application no.:

CL 3468/2000

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 in a communication network Title: AR

Country of registration:

Application no.:

P000106679

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.:

98/0074

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **GPRS**

Method for providing a unique temporary identification of a mobile station Title:

Country of registration: VF Application no.: 0071

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 providing a unique temporary identification of a mobile station

Country of registration: US

6208628

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,

Title: Method for providing a unique temporary identification of a mobile station

Country of registration: Patent no.:

NI-112610

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Country of registration:

Application no.:

Notes:

Method for providing a unique temporary identification of a mobile station NO

970181 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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.:

PI9706142

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson **GPRS** Project:

Title: Method for providing a unique temporary identification of a mobile station ID

Country of registration: Application no.:

P-973951

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: FPO Application no.: 98100009-4 Countries applicable: DE, FI, FR, GB, IT

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: Fricsson Project: **GPRS**

Title: Method for providing a unique temporary identification of a mobile station CN

Country of registration: Application no.:

98801831-4 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: **EPO** Application no.: 97946222-3 Countries applicable: 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,

Title: Method and arrangement in a radio communication system

Country of registration: Application no.:

96909413-5

Countries applicable:

DE, ES, 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:

Application no.:

Ericsson **GPRS**

Title: Country of registration: Communicating packet data with a mobile station roaming within an incompatible mobile network

042806

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

CA 2216400

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 arrangement in a radio communication system

Country of registration:

Application 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,

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

Company name:

Project:

Ericsson **GPRS**

Title: Country of registration: Method and arrangement in a radio communication system

Patent no.:

Notes:

9501177

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

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

Company name:

Fricsson **GPRS**

Project: Title:

Method and apparatus for improving performance of a packet communications system

Country of registration:

7A

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,

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

Company name:

Ericsson

Project: Title:

Method and apparatus for improving performance of a packet communications system

Country of registration:

US

Patent no.:

6031832

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 improving performance of a packet communications system

Country of registration: Patent no.: 101304

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: **GPRS** Project:

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

TH 040934

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Application no.:

99113437

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Fricsson **GPRS** Project:

Title: Method and apparatus for improving performance of a packet communications system MY

Country of registration: Application no.:

PI9705588

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:

MX 994959

Application 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, 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.: 10-1999-7004680

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: CA Application 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,

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration: Patent no.:

2320993

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: GB Patent no.: GB2324686

Countries applicable: GB

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: **GPRS**

Title: Method for Dynamically Allocating Wireless Communication Resources GB

Country of registration:

Patent no.: GB2298999

Countries applicable: 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

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

Company name: Project: **GPRS**

Title: Method for Communicating Data in a Wireless Communication System

Country of registration: **EPO** Patent no.: EP0847657

Countries applicable:

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 Project: **GPRS**

Title: Method for Communicating Data in a Wireless Communication System

Country of registration: **EPO**

Patent no.: FP0847652

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IT, LU, MC, NL, PT, SE, IE

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Method and Apparatus for Communication System Access Title:

Country of registration: **EPO**

Patent no.: FP0804834

Countries applicable: 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:

Handoff in a cellular communication system Title:

Country of registration: FPO Patent no.: EP00746172

Countries applicable: NL, SE, AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Cellular Voice and Data Radiotelephone System

Country of registration: NO N169810

Countries applicable: 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

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

Company name: Motorola Project: GPRS

Title: Cellular Voice and Data Radiotelephone System

Country of registration: FI
Patent no.: F179768
Countries applicable: F1

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Cellular Voice and Data Radiotelephone System

Country of registration: EPO EP0188534

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, NL, 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: SIEMENS Project: SPRS

Title: Method for administering additional services in a mobile communication network

Country of registration: DE

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration: DE Application no.: DE FI / 961174

Countries applicable: FI

ETSI Deliverable: FI 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 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: DE

Application no.: EP 0 732 861

Countries applicable: EPO

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.

Title: Method for the use of services by network subscribers

Country of registration:

Patent no.: EP 0 715 473 Countries applicable: **EPO** GSM 03.78 V6.1.1 **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 under the IPRs on terms and conditions which are in accordance 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 the use of services by network subscribers

Country of registration: DF FI / 955737 Application 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.

Company name: **GPRS** Project:

Title: Method and arrangement for transmitting information in a digital radio system

Country of registration: DF Patent no.: EP 0 671 824 FI, EPO 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:

GPRS 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: DE

Patent no.: DE 19635581

Countries applicable: DE

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 for administering additional services in a mobile communication network

Country of registration: DE

Patent no.: US 6 085 105

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,

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:

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.

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: DE

Application no.: EP 0 827 355

Countries applicable: **EPO**

GSM 03.79 V5.2.0 TS 23.079 V3.3.0 **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

SIEMENS Company name: **GPRS** 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.: CN / 1180285

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**

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration: DE

Application no.: IN / 1533/CAL/97

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.

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:

KR / 24254/98 Application no.:

Countries applicable: KR

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

DF

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.

Title: Method for administering additional services in a mobile communication network

Country of registration:

Patent no.: DE 196 08 464

Countries applicable:

DE

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: **GPRS**

Title:

Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration: DF

US 5 943 327 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 03.64 V6.0.1

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**

Title: Process and device for data transmission in a cellular radio system DE

Country of registration:

RU / 98114847

Application no.: RU

Countries applicable:

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

under the IPRs on terms and conditions which are 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**

Process and device for data transmission in a cellular radio system Title:

Country of registration: DE

Application no.: CN / 1207231

Countries applicable: CN

ETSI Deliverable:

GSM 03.64 V6.0.1

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.

Company name: SIEMENS Project: **GPRS**

Title: Process and device for data transmission in a cellular radio system

Country of registration: DE

Application no.: EP 0 872 148 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,

Title: Process and device for data transmission in a cellular radio system

Country of registration: DE

Application 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.

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: DE

Patent no.: US 6 138 028

Countries applicable: US

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: Method and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration: DE Patent no.: DE 195 49 009

Countries applicable: DE

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

Notes: GSM 03.04 V0.0.1 GSM 04.06 V0.7.0

The SIGNATORY has notified ETSI th

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 radio station for the transmission of data by way of a GSM mobile radio network

Country of registration: DE

Application no.: CN / 1212107

Countries applicable: CN

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

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

Company name: SIEMENS Project: SPRS

Title: Method and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration: DE
Application no.: WO97/24891
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: Process and device for data transmission in a cellular radio system

Country of registration: DE

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,

Title: Method for administering additional services in a mobile communication network

Country of registration:

Application no.: IN / 266/CAL/97

Countries applicable:

IN **ETSI Deliverable:**

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: SIEMENS Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

CN / 1160330 Application 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may 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.

SIEMENS Company name: **GPRS** 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

DF

Countries applicable: CN

ETSI Deliverable:

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:

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

SIEMENS Company name: Project: **GPRS**

Title: Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration: DF

Application no.: EP 0 771 125 Countries applicable: **EPO**

ETSI Deliverable: GSM 03.64 V6.0.1

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

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

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 DE

Country of registration:

Patent no.: DE 195 34 15

Countries applicable: DF

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 for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system

Country of registration: DE

Application no.: IN / 1555/CAL/96 Countries applicable: IN 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 for transmitting data packets from mobile stations to base stations in mobile radio systems

operated on the time multiplex system

Country of registration: DE

Application no.: TW / 85111034 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

SIEMENS Company name: **GPRS** Project:

Process for transmitting data packets from mobile stations to base stations in mobile radio systems Title:

operated on the time multiplex system

Country of registration:

Application no.: WO97/10685 US, EPO 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.

Company name: SIEMENS Project: **GPRS**

Title: Method of transmitting data packets according to a packet data service in a cellular mobile radio network

provided for voice and data-transmission DE

Country of registration:

Patent no.: DE 195 24 659 Countries applicable: DE

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.

SIEMENS Company name: **GPRS** 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: DF

WO97/02712 Application no.: Countries applicable: CN, EPO, US **ETSI Deliverable:** GSM 08.18 V8.3.0

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.

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:

Patent no.: DE 19509000

Countries applicable: DF

ETSI Deliverable: GSM 03.78 V6.1.1 TS 29.002 V3.6.0

DF

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 and arrangement for transmitting information in a digital radio system

Country of registration: DF

US 5 648 967 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 03.64, V6.0.1

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**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF Application no.: EP 0 793 394 Countries applicable: **EPO**

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, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration: DF

Application no.: WO99/48318

Countries applicable: US

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

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: DF

Application no.: EP 1 016 304 Countries applicable: **EPO**

ETSI Deliverable: GSM 03.33 V7.1.0

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,

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:

Application no.: CN / 1271501 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

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: DF

DE 197 41 216 Patent no.:

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,

under the IPRs on terms and conditions which are 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:

Title: GPRS continuous timing advance update

Country of registration: DF

Application 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: **GPRS** Project:

GPRS continuous timing advance update Title:

Country of registration:

Application no.: EP 0 938 821 Countries applicable: EPO **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: **GPRS** Project:

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling DE

Country of registration:

Application no.: EP 1 064 810 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,

Company name: SIEMENS Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration: DF

Application no.: IN / 2158/CAL/97 Countries applicable: IN **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**

Title: GPRS continuous timing advance update

Country of registration: DE

AU / 73051/98 Application no.: Countries applicable: ΑU **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: **GPRS** Project:

Title: Method and mobile communication system for supporting portability of a mobile subscriber telephone

number

Country of registration: DE

DE 197 09 713 Patent no.: DE

Countries applicable:

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

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: DE

Patent no.: ZA / 97/10371 Countries applicable: ZΑ **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 **GPRS** Project:

Title: GPRS continuous timing advance update

Country of registration: DE

Application no.: CN / 1238108 Countries applicable: CN **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,

SIEMENS Company name: Project: **GPRS**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: DE 19812215 DF

Countries applicable:

ETSI Deliverable: GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

DF

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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:

Patent no.: US 6 035 198

Countries applicable: US

GSM 03.79 V5.2.0 TS 23.079 V3.3.0 **ETSI Deliverable:**

DE

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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:

Method for setting up a connection between a plurality of cellular networks Title:

Country of registration: DE

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

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: DE

Application no.: JP / 12-537394

Countries applicable:

JΡ

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: **GPRS**

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration: DE

Application no.: KR / 7010361/00

Countries applicable: KR

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 **GPRS** Project:

Title: Telecommunications network as well as subscriber stations and central station for a Telecommunications

network

Country of registration: Patent no.:

DE 36 38 735

Countries applicable: ETSI Deliverable:

DF GSM 03.03 V7.5.0 GSM 02.16 V7.2.0

DF

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DF

Patent no.: DE 32 25 443

Countries applicable: DE

ETSI Deliverable: GSM 05.05 V8.3.0

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: **GPRS**

Title: Method for jam-resistant communication transmission

Country of registration: Patent no.:

DF US 4 843 612

Countries applicable: US

ETSI Deliverable:

GSM 06.31 V8.0.0

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**

Method for jam-resistant communication transmission Title:

Country of registration: DE

CA 1238951 Patent no.:

Countries applicable: CA

ETSI Deliverable: GSM 06.31 V8.0.0

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: GPRS continuous timing advance update

Country of registration: DE

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,

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: DE

Application no.: EP 0 938 822 Countries applicable: **EPO**

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

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.

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: DE

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

SIEMENS Company name: **GPRS** Project:

Method and mobile communication system for routeing of call connections Title:

Country of registration: DE

Application 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

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 and mobile communication system for routeing of call connections

Country of registration: DF

Application 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:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: DF

EP 0 878 109 Application no.:

Countries applicable: **EPO**

ETSI Deliverable: GSM 03.18 V6.5.0 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,

Company name: SIEMENS Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration: DF

Application no.: AR / P970105383 Countries applicable: AR

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**

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: DF

Application no.: WO98/23106 Countries applicable: BR, SG, UA, US

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

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.

SIEMENS Company name: Project: **GPRS**

Quality of Service dependent paging in GPRS Title:

DE

Country of registration:

Patent no.: ZA / 98/1425

Countries applicable: ZΑ

ETSI Deliverable: 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 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DF

Application no.: CN / 1238107

Countries applicable: CN

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

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

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 DE

Country of registration:

Application no.: IN / 2160/CAL/97

Countries applicable: IN

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

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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: Patent no.:

DE 19647629

SIEMENS

DE

Countries applicable:

DF

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

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

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:

Patent no.: ZA / 97/1037

Countries applicable: ZΑ

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

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

SIEMENS Company name: **GPRS** Project:

Quality of Service dependent paging in GPRS Title:

Country of registration: DE

Patent no.: DE 19707261

Countries applicable: DE

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

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

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.: 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: 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.: IN / 2159/CAL/97

Countries applicable: IN

ETSI Deliverable: 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 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,

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.: CN / 1238104

Countries applicable: CN

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

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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:

Patent no.: ZA / 97/10374

Countries applicable: ZΑ

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1 **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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under the IPRs on terms and conditions which are 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:

Title: Quality of Service dependent paging in GPRS

Country of registration: DE

Application no.: EP 0 974 236

Countries applicable: **EPO**

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.

Company name: SIEMENS Project: **GPRS**

Title: Quality of Service dependent paging in GPRS

Country of registration: DF

Application no.: WO98/38818 Countries applicable: US

ETSI Deliverable: 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

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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.: WO98/23104

Countries applicable: US

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

DE

Notes:

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GSM

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: TW 57316
Countries applicable: TW

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: JP

Patent no.: JP 4255133

Countries applicable: JP

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: CA
Patent no.: CA 2046579

Countries applicable: CA

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: US

Patent no.: US 5533114

Countries applicable: US

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: EPO

Patent no.: EP 466078

Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, CH, GB **ETSI Deliverable:** GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: A transmission burst organized for discontinuous transmission

Country of registration: NZ
Patent no.: NZ 280835
Countries applicable: NZ
ETSI Deliverable: GSM 05.03

Company name: Alcatel Project: GSM

Title: A transmission burst organized for discontinuous transmission

Country of registration: AU
Patent no.: AU 9640950
Countries applicable: AU
ETSI Deliverable: GSM 05.03

Company name: Alcatel Project: GSM

Title: A transmission burst organized for discontinuous transmission

Country of registration: FR
Patent no.: FR 2729806
Countries applicable: FR
ETSI Deliverable: GSM 05.03

Company name: Alcatel Project: GSM

Title: A transmission burst organized for discontinuous transmission

Country of registration: FI

Patent no.: FI 9600300 Countries applicable: FI ETSI Deliverable: GSM 05.03

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: AU

Patent no.: AU 9538092

Countries applicable: AU

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: JP
Application no.: 513693/96
Countries applicable: JP

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: US

Application no.: SerNo 666428

Countries applicable: US

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: Communication system for cellular radio telephone network

Country of registration: KR
Application no.: 11673/1991
Countries applicable: KR

ETSI Deliverable: GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: CA
Patent no.: CA 2179662
Countries applicable: CA

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: PCT

Application no.: WO 96131134

Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, GB

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: A transmission burst organized for discontinuous transmission

Country of registration: EPO EP 724342

Countries applicable: AT, BE, DK, FR, DE, IT, NL, NO, ES, SE, CH, GB

ETSI Deliverable: GSM 05.03

Company name: Alcatel Project: GSM

Title: Mobile Radio System with a Repeater

Country of registration: FI
Patent no.: FI 945088
Countries applicable: FI
ETSI Deliverable: GSM 05.05

Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

Country of registration: FI
Patent no.: FI 9503969

Countries applicable: FI

ETSI Deliverable: GSM 08.60 and 08.61

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: FR

Patent no.: FR 2726147

Countries applicable: FR

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title: Mobile Radio Network Adaptation Center

Country of registration: n/a

Application no.: EP 96 440 095
Patent no.: EP 773 693
Countries applicable: FR, DE, IT, ES, GB
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 (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.

Company name: Alcatel Project: GSM

Title: Mobile Radio Network Adaptation Center

Country of registration: n/a
Application no.: 743634
Countries applicable: US

ETSI Deliverable: GSM 03.54.V5.0.0

Notes: GSW 03.54, V5.0.0

The SIGNATORY has notified ETSI that it is the proprietor of the IPR listed in Annex 1 (the IPRs) and has informed ETSI that it believes that the IPR 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 IPR remain ESSENTIAL.

The construction validity and performance of this DECLARATION shall be governed by the laws of France.

Company name: Alcatel Project: GSM

Title: Mobile Radio System with a Repeater

Country of registration: NZ
Patent no.: NZ 264804
Countries applicable: NZ
ETSI Deliverable: GSM 05.05

Company name: Alcatel Project: GSM

Title: Mobile Radio System with a Repeater

Country of registration: AU
Patent no.: AU 77486
Countries applicable: AU
ETSI Deliverable: GSM 05.05

Company name: Alcatel Project: GSM

Title: Mobile Radio Network Adaptation Center

Country of registration: n/a
Application no.: 2 189 791
Countries applicable: CN

ETSI Deliverable: GSM 03.54, V5.0.0

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France.

Company name: Alcatel Project: GSM

Title: Mobile Radio System with a Repeater

Country of registration: EPO
Patent no.: EP 651524
Countries applicable: FR, DE, IT, SE, GB
ETSI Deliverable: GSM 05.05

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

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: JP Patent no.: JP 60 86358 JΡ Countries applicable: GSM 03.09 **ETSI Deliverable:**

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: NZ NZ 236814 Patent no.: Countries applicable: ΝZ **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: ΑU Patent no.: AU 639516 Countries applicable: ΑU **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: GSM

Communication transfer in cellular radio telephone network Title: Country of registration:

CA Patent no.: CA 2034411 Countries applicable: CA **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: US US 5289525 Patent no.: Countries applicable: US **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: GSM

Communication transfer in cellular radio telephone network Title:

Country of registration: **EPO** Patent no.: EP 438099

Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, CH, GB

GSM 03.09 **ETSI Deliverable:**

Company name: Alcatel Project: **GSM**

Title: Mobile Radio System with a Repeater

Country of registration: US

SerNo 331341 Application no.: Countries applicable: US **ETSI Deliverable:** GSM 05.05

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: NO NO 9303254

Countries applicable: NO

Patent no.:

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: JΡ Application no.: 525067/94

Countries applicable: JΡ

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Hand-over technique for transferring calls between adjacent cells of cellular phone system Title:

Country of registration: CA Application no.: 2162707 Countries applicable: CA

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: ΑU

Patent no.: AU 9467885

Countries applicable: ΑU

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: FΙ FI 9505437 Patent no.:

Countries applicable: FΙ

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: **EPO**

EP 698318 Patent no.:

AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB Countries applicable:

ETSI Deliverable: GSM 04.08 and 05.10

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

Countries applicable: IN

ETSI Deliverable: GSM 04.08 and 05.10

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: SG Patent no.: SP 9605241-0

Countries applicable: SG

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: CN 94-192099 Application no.: Countries applicable: CN

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM Title:

network Country of registration: ΝZ NZ 248564 Patent no.:

Countries applicable: ΝZ

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: US

Application no.: SerNo 545869 Countries applicable: US

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Country of registration:

A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM Title:

network FR

FR 2695776 Patent no.: Countries applicable: FR

ETSI Deliverable: 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 Country of registration:

FI 9304006 Patent no.: Countries applicable: FΙ

ETSI Deliverable: 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

EPO Country of registration: Patent no.: EP 589753

AT, BE, DK, FR, DE, GR, IE, IT, NL, PT, ES, SE, CH, GB Countries applicable:

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: Software downloading for a telecommunications terminal

Country of registration: ΑU Patent no.: AU 643526 Countries applicable: ΑU

ETSI Deliverable: GSM 11.14

Company name: Alcatel Project: GSM

Title: Computer-controlled radiotelephone

Country of registration: **EPO** Patent no.: EP 297616

AT, BE, FR, DE, GR, IT, NL, ES, SE, GB Countries applicable:

ETSI Deliverable: GSM 03.26

Company name: Alcatel Project: **GSM**

Title: Mobile Radio Network

Country of registration: DE Application no.: P 36 38 735 Patent no.: DE 3638735

Countries applicable: DE **ETSI Deliverable:** GSM 02.16, 03.03 and 04.08

jointly owned with Siemens. Notes:

Company name: Alcatel Project: **GSM**

Title: Energy saving method in a terminal of a mobile radiocommunication network

Country of registration: FΙ Patent no.:

FI 9602541 Countries applicable: FΙ

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: **GSM**

TRAU/BTS Error Procedure Title:

Country of registration: US

Application no.: SerNo 495615

Countries applicable: US

ETSI Deliverable: GSM 08.60 and 08.61

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network

Country of registration: CN
Application no.: CN 93-119206
Countries applicable: CN

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: EPO

Patent no.: EP 692919

Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB

ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: IN
Application no.: 271/DEL/95
Countries applicable: IN
ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:CNApplication no.:95-115005Countries applicable:CNETSI Deliverable:GSM 08.61

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: NZ Patent no.: NZ 272491
Countries applicable: NZ ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: AU
Patent no.: AU 9523340
Countries applicable: AU
ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: US

Application no.: SerNo 496749

Countries applicable: US ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: FR
Patent no.: FR 2705514

Countries applicable: FR **ETSI Deliverable:** GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: F

Patent no.: FI 9503345
Countries applicable: FI

ETSI Deliverable: GSM 08.61

Title: TRAU/BTS Error Procedure

Country of registration: EPO

Patent no.: EP 686325

Countries applicable: AT, BE, DK, DE, IT, NL, ES, SE, CH, GB

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Title: Data frame transmission system for transmitter and receiver

Country of registration: US Application no.:

SerNo 301587 Countries applicable: US **ETSI Deliverable:** GSM 08.61

Company name: Alcatel Project: **GSM**

Title: Data frame transmission system for transmitter and receiver

Country of registration: FR Patent no.: FR 2709901 Countries applicable: FR **ETSI Deliverable:** GSM 08.61

Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

Country of registration: NO Patent no.: NO 9503356

Countries applicable: NO

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Title: Data frame transmission system for transmitter and receiver

Country of registration: **EPO**

Patent no.: EP 642242

AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB Countries applicable:

ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: CN Application no.: 94-191289 Countries applicable: CN

GSM 08.60 and 08.61 **ETSI Deliverable:**

Company name: Alcatel Project: **GSM**

TRAN/BTS Error Procedure Title:

Country of registration: JΡ Application no.: 518716/94 Countries applicable:

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: ΑU

AU 9461115 Patent no.: Countries applicable: US

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Data frame transmission system for transmitter and receiver Title:

Country of registration:

FI 9404071 Patent no.: Countries applicable: FΙ **ETSI Deliverable:** GSM 08.61

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration:

Patent no.: FR 2722353 Countries applicable: FR **ETSI Deliverable:** GSM 08.61

Company name: Alcatel Project: **GSM**

TRAU/BTS Error Procedure Title:

Country of registration: FR

FR 2702111 Patent no.:

Countries applicable: FR

ETSI Deliverable: GSM 08.60 and 08.61

Company name: AT&T Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangement

Country of registration:

DE Patent no.: 3 575 624 DE

Countries applicable:

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: NI Patent no.: 0 175 752 NL

Countries applicable:

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:

Country of registration: Patent no.: 0 175 752

Countries applicable: SE

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: US Patent no.: 4 701 954

Countries applicable: 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: AT&T Project: GSM

Title: Paging Arrangements in a Cellular Mobile Switching System

Country of registration:

Patent no.: 5 278 890

Countries applicable: 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:

US Patent no.: 5 329 573

Countries applicable: 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:

AT&T **GSM**

Project: Title:

Digital Speech Encoder

Country of registration:

DĚ

Patent no.:

3 244 476 DF

Countries applicable: 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**

US

Project: Title:

Arrangement for Detecting Fraudulently Identified Mobile Stations in a Cellular Mobile

Telecommunications Switching System

Country of registration:

Patent no.:

5 309 501 US

Countries applicable:

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:

Digital Speech Coder

Country of registration:

CA

Patent no.:

1 181 854

AT&T have stated that all of the identified patents have corresponding foreign pending applications but Notes:

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: F

Patent no.: 0 175 752
Countries applicable: FR

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:

Signalling Arrangements in a Cellular Mobile Telecomms Switching System US

Country of registration: Patent no.:

5 396 543 US

Countries applicable: 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

Title:

Multipulse LPC Speech Processing Arrangement

Country of registration:

registration:

BE 0 175 752

Patent no.: Countries applicable:

BE

Notes:

Project:

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:

Digital Speech Coder

Country of registration:

US

Patent no.:

RE 32 580

Countries applicable:

able: 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:

AT&T GSM

Project: Title:

Digital Speech Coder

Country of registration:

SE

Patent no.: Countries applicable: 4 674 298-6 SF

provided.

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

Company name: AT&T Project: **GSM**

Title: Digital Speech Encoder

Country of registration: SF

Patent no.: Published 456 618 SE

Countries applicable:

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

Country of registration:

GB Patent no.: 2 110 906

Countries applicable:

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.

8 219 772

FR

AT&T Company name: **GSM** Project:

Digital Speech Encoder Title:

Country of registration:

Patent no.:

Countries applicable:

Notes:

FR 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.

CA

Company name: AT&T Project: **GSM**

Title: Digital Speech Coder

Country of registration: Patent no.:

1 181 854

AT&T have stated that all of the identified patents have corresponding foreign pending applications but Notes: 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:

JΡ

Country of registration:

Patent no.: 1 332 758

Countries applicable: JΡ

AT&T have stated that all of the identified patents have corresponding foreign pending applications but Notes:

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

Country of registration: CA

Patent no.: 1 222 568 CA

Countries applicable:

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.

ВТ Company name: Project: **GSM**

Title: Telecommunications System

Country of registration: CA Application no.: 2189772 Countries applicable: CA

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: Application no.: 964659 Countries applicable: FΙ

GSM 03.93 and GSM 04.93 **ETSI Deliverable:**

Company name: ВТ Project: **GSM**

Title: Telecommunications System

Country of registration: IN

Application no.: 708/MAS/95

Countries applicable: IN

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: Project: **GSM**

Title: Telecommunications System

Country of registration: JΡ Application no.: 96-500499 Countries applicable: JP

ETSI Deliverable: GSM 03.93 and GSM 04.93

ВТ Company name: Project: **GSM**

Title: Telecommunications System

Country of registration: KR Application no.: 706250/96 Countries applicable: KR

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Title: Telecommunications System

Country of registration: SG Application no.: 9603021-8 Countries applicable: SG

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Telecommunications System Title:

Country of registration: NZ

Patent no.: 285839 Countries applicable: NZ, PCT

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: **GSM** Project:

Title: Telecommunications System

Country of registration: CN Application no.: 95193282.9 Countries applicable: CN

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Telecommunications System

Country of registration: **EPO**

Patent no.: 761067

Countries applicable: BE, DK, FR, DE, IT, NL, ES, SE, CH, GB

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Title: Voice Activity Detector

Country of registration: ΙE

Patent no.: IE 61863

Countries applicable:

ΙE Notes:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: ВТ

Project: **GSM**

Title: Telecommunications System

Country of registration: CN Application no.: 95193283.7

Countries applicable: CN

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: Application no.: 964658 Countries applicable: FΙ

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Title: Telecommunications System

Country of registration: ΑU Patent no.: 685280 Countries applicable: ΑU

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT Project: **GSM**

Title: Telecommunications System

Country of registration: CA Application no.: 2189770 Countries applicable: CA

GSM 03.93 and GSM 04.93 **ETSI Deliverable:**

ВТ Company name: GSM Project:

Title: Telecommunications System

Country of registration: **EPO** 761068 Patent no.:

Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ **GSM** Project:

Voice Activity Detector Title:

Country of registration: PCT

Application no.: PCT/GB89/00247 Published WO 89/08910 Patent no.:

AU, BR, DK, EPO, FI, JP, KR, NO Countries applicable: Notes:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: BT Project: GSM

Title: Voice Activity Detector

Country of registration: HK
Patent no.: 1358/96

Countries applicable: HK

Notes:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: BT Project: GSM

Title: Voice Activity Detector

Country of registration: NZ Patent no.: 228290 Countries applicable: NZ

Notes:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Title: Voice Activity Detector

Country of registration: PT
Patent no.: 89978
Countries applicable: PT

Notes: BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector,

that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: BT Project: GSM

Title: Voice Activity Detector

Country of registration: SG

Patent no.: 9691600-2

Countries applicable: SG

Notes: BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector,

that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: BT Project: GSM

Title: Voice Activity Detector

Country of registration: EPO
Patent no.: EP335521

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LU, NL, SE

Notes: BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector,

that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

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Title: Telecommunications System

Country of registration: AU
Patent no.: 685281
Countries applicable: AU

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT GSM

Title: Telecommunications System

Country of registration: NZ
Patent no.: 285840
Countries applicable: NZ, PCT

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT Project: GSM

Title: Cellular Radio Systems

Country of registration: EPO 94915668.1

Countries applicable: AT, BE, DK, FR, DE, IE, IT, NL, PT, ES, SE, CH ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ GSM Project:

Title: Telecommunications System

Country of registration:

Application no.: 707/MAS/95

Countries applicable: IN

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Cellular Radio Systems Title:

Country of registration: ΝZ 266204 Patent no.: Countries applicable: ΝZ

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ Project: **GSM**

Title: Voice Activity Detector

Country of registration: Patent no.:

CA 1335003

CA

Countries applicable:

CA

Notes:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 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 by a licensee. BT contact (see note 2).

Company name: ВТ Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: NZ Application no.: 313228 Countries applicable: ΝZ **ETSI Deliverable:** GSM 02.53

Company name: ВТ Project: **GSM**

Title:

Transmission of Digital Signals Country of registration: Application no.: 9609577-6 Countries applicable: BR

ETSI Deliverable: GSM 02.53 Company name: BT Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: CA Application no.: 2227273 Countries applicable: CA **ETSI Deliverable:** GSM 02.53

ВТ Company name: **GSM** Project:

Title: Transmission of Digital Signals

Country of registration: CN Application no.: 96196861.3 Countries applicable: CN **ETSI Deliverable:** GSM 02.53

Company name: ВТ Project: **GSM**

Voice Activity Detector Title:

Country of registration: **EPO** EP 0 335 521 Patent no.:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LU, NL, SE Countries applicable: Notes:

BT have stated that the identified patent may be relevant to the full rate GSM voice activity detector, that the patent claims priority from GB 8805795, 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 by a licensee.

Company name: ВТ **GSM** Project:

Title: Transmission of Digital Signals

Country of registration: HK Application no.: tha Countries applicable: HK

GSM 02.53 **ETSI Deliverable:**

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: IN

Application no.: 1287/MAS/96
Countries applicable: IN
ETSI Deliverable: GSM 02.53

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: JP
Application no.: 97-506424
Countries applicable: JP
ETSI Deliverable: GSM 02.53

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: AU
Application no.: 65245/96
Countries applicable: AU
ETSI Deliverable: GSM 02.53

Company name: BT GSM

Title: Transmission of Digital Signals

Country of registration: MY
Application no.: PI9602981
Countries applicable: MY
ETSI Deliverable: GSM 02.53

Title: Transmission of Digital Signals

Country of registration: MX
Application no.: 980652
Countries applicable: MX
ETSI Deliverable: GSM 02.53

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: SG
Application no.: 9801617-3
Countries applicable: SG
ETSI Deliverable: GSM 02.53

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration:USApplication no.:983578/08Countries applicable:USETSI Deliverable:GSM 02.53

Title: Cellular Radio Systems

Country of registration: US
Application no.: 179961
Countries applicable: US

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: JP
Application no.: 96-500498
Countries applicable: JP

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration:

890/MAS/94 (filed 13 Sept. 94) Application no.: **ETSI Deliverable:** ETS 300 581-6 and 300 580-7

Notes:

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 Services, Intellectual Property Department, 8th floor, Holborn

Centre, 120 Holborn, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company name: Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: MY

PI 9402448 (filed 14 Sept. 94) Application no.: **ETSI Deliverable:** ETS 300 581-6 and 300 580-7

Notes: 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 Services, Intellectual Property Department, 8th floor, Holborn

Centre, 129 Holborn, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company name: **GSM** Project:

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: US

Application no.: 158 852 (filed 29 Nov. 93)

Countries applicable: US

ETSI Deliverable: ETS 300 581-6 and 300 580-7

Notes:

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 Services, Intellectual Property Department, 8th floor, Holborn

Centre, 120 Holborn, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

ВТ Company name: **GSM** Project: Country of registration: US

Application no.: 232 475 (filed 25 Apr. 94)

Notes: 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 Services, Intellectual Property Department, 8th floor, Holborn

Centre, 120 Holborn, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company name: BT **GSM** Project:

Transmission of Digital Signals Title:

Country of registration: KR Application no.: 700512/98 Countries applicable: KR **ETSI Deliverable:** GSM 02.53

Company name: вт Project: **GSM**

Title: Telecommunications System

Country of registration: US Application no.: 673474/08 Countries applicable: US

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT **GSM** Project:

Title: Cellular Radio Systems

Country of registration: IN Application no.: 422/MAS/94 Countries applicable: IN

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Title: Cellular Radio Systems

Country of registration: HU Application no.: P9503283

Countries applicable: HU

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ Project: **GSM**

Title: Cellular Radio Systems

Country of registration: KR Application no.: 705246/95 Countries applicable: KR

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ **GSM** Project:

Title: Cellular Radio Systems

Country of registration: NO 954682 Application no.: Countries applicable: NO

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: вт GSM Project:

Title: Cellular Radio Systems

Country of registration: SG Application no.: 9603226-3

Countries applicable: SG

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: RT **GSM** Project:

Title: Cellular Radio Systems

Country of registration: FΙ Application no.: 955579 Countries applicable: FΙ

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: вт Project: **GSM**

Title: Cellular Radio Systems

Country of registration: CA Application no.: 2162730 Countries applicable: CA

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ **GSM** Project:

Cellular Radio Systems Title:

Country of registration: PL174356 Patent no.: Countries applicable: PL

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: вт Project: **GSM**

Cellular Radio Systems Title:

Country of registration: JΡ Application no.: 95-500381 Countries applicable: JΡ

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

ВТ Company name: Project: **GSM**

Telecommunications System Title:

Country of registration: NO 965034 Application no.: Countries applicable: NO

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Telecommunications System

Country of registration: SG Application no.: 9604081-1 Countries applicable: SG

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ Project: **GSM**

Title: Telecommunications System

Country of registration: KR Application no.: 706251/96 Countries applicable: KR

GSM 03.93 and GSM 04.93 **ETSI Deliverable:**

Company name: ВТ Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: NO Application no.: 980260 Countries applicable: NO **ETSI Deliverable:** GSM 02.53

Company name: вт Project: **GSM**

Title: Cellular Radio Systems

Country of registration: CN Application no.: 94192537.4

Countries applicable: CN

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: RT Project: **GSM**

Title: Cellular Radio Systems

Country of registration: ΑU Patent no.: 678247 Countries applicable: ΑU

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: вт Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: **EPO** Application no.: 96924979.6

BE, DK, FI, FR, DE, IE, IT, NL, PT, ES, SE, CH, GB Countries applicable:

GSM 02.53 **ETSI Deliverable:**

Company name: **Bull CP8** Project: GSM

A Method for Certifying the Origin of at Least One Item of Information Stored in the Memory of a First Title:

Electronic Device and Tra FR

Country of registration:

Patent no.: 2 530 053 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**

Title: SIM Personal Telephone Sets

Country of registration: FR 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: Bull CP8
Project: GSM

Title: - CP8 Ref: 2415

Country of registration: FR
Patent no.: 2 483 657

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11

Company name: Bull CP8
Project: GSM

Title: A Process and System for Transmission of Signed Messages

Country of registration: FR
Patent no.: 2 480 539

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

Title: A Method and System for Transmission of Confidential Data

Country of registration: FR
Patent no.: 2 477 344
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

Title: A Device for Transmitting Signals between two Data Processing Stations

Country of registration: FR
Patent no.: 2 483 713

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. 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.

Company name: Bull CP8
Project: GSM

Title: SIM Personal Telephone Sets

Country of registration: FR
Patent no.: 2 460 506
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**

Title: Data processing System for Protecting the Secrecy of Confidential Information

Country of registration: Patent no.: 2 392 447 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 non-

discriminatory terms and conditions.

Bull CP8 Company name: Project: **GSM**

Title: Data Processing System which Protects the Secrecy of Confidential Information

Country of registration: FR 2 389 284 Patent no.: 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 GSM** Project:

Title: SIM Personal Telephone Sets

Country of registration: FR 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: Ericsson Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Patent no.: 50399

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: **GSM**

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: HK

Patent no.: HK1002693

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.:

0619932

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

510960

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Country of registration: KR

Patent no.: 212937

Notes:

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: 182882 Patent no.:

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: Fricsson Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: NI Patent no.: 0619932

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Application 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,

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: RU Patent no.: 2173505

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**

Pop-subscription based mobile station idle mode cell selection Title:

Country of registration: ΑIJ 64276/98 Application 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,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.: PI9808196-9

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 GSM Project: Title: Method for encryption of information

Country of registration: ΝZ

Patent no.: 318911

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Pop-subscription based mobile station idle mode cell selection

Country of registration: CL 504-98 Application no.:

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: Fricsson Project: GSM

Title: Method for encryption of information

Country of registration: KR

Application no.: 1998-702245

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

JP

Application 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,

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: Patent no.: 2121227

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**

Method for encryption of information Title:

Country of registration: CN

Application 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,

Title: Transmitter Power Control for Radio Telephone System.

Country of registration: GB

Patent no.: GB 2 233 517 Countries applicable: GB

Ericsson OMC Ltd Notes:

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:

CA 2264068 Application 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,

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: ΑIJ Patent no.:

712649

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: US Patent no.:

5557655

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.:

NI-074639

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

TH

020462 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: 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,

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Patent no.: 257421

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Power Booster Country of registration: GB Patent no.: GB 2 251 768

Countries applicable: GB

Ericsson OMC Ltd Notes:

Company name: Ericsson Project: **GSM**

Title: Method for encryption of information

Country of registration: **EPO** Application no.: 872078

DE, DK, ES, FI, FR, GB, IT 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: GSM

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: NL Patent no.: 0598863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.:

Notes:

5490201

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: BR

PI9305689-3 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,

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: 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,

Title: Improvements in, or relating to, Equalisers

Country of registration: GB

Patent no.: GB 2 215 567 Countries applicable: GB

Ericsson OMC Ltd Notes:

Company name: Ericsson Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: Patent no.: NI-072935

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: NO Patent no.: 308979

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: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: CN Application no.: 1228903

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: ΝZ Patent no.: 251790

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Message area procedure

Country of registration: TH

Application no.: 24235

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: 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,

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Patent no.: 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: **GSM** Project:

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: HK

Patent no.: HK1001947

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.

Ericsson Company name: Project: **GSM**

Method for a mobile tele system when assigning a traffic channel Title:

Country of registration: Patent no.: 0598863

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: Fricsson Project: GSM

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: GB Patent no.: 0598863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 a mobile tele system when assigning a traffic channel Title:

Country of registration: Patent no.: 0598863

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: Method for a mobile tele system when assigning a traffic channel

Country of registration: Application no.: 935619

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**

Method for a mobile tele system when assigning a traffic channel Title:

Country of registration: SF

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,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.: 98804904-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,

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

Company name: **GSM** Project:

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Patent no.:

FR 0619932

CN

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.

Ericsson Company name: Project: **GSM**

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: Application no.:

943050

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: GSM

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: ES Patent no.: 0619932

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Patent no.:

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 GSM Project:

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

Patent no.: 93119714-7

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**

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: CA 2126853 Application 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,

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

> Mobile Phones EPO

Country of registration: Application no.:

EP-922367

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Message area procedure

Country of registration: Application no.:

JΡ

511700 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

CO 9749900

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Ericsson Proiect: GSM

Title: Message area procedure

Country of registration:

SE

Patent no.: Notes:

9303491-6

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: Fricsson Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones CL

Country of registration:

Application no.: 1764/97 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.

Company name: Project: **GSM**

Providing caller ID within a mobile telecommunications network Title:

Country of registration: Application no.:

FΙ

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,

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

9711377

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,

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

Ericsson Company name: Proiect:

GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Title:

Mobile Phones

Country of registration: Patent no.:

ΑU 721170

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

AR 970103907

Notes:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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: Message area procedure

Country of registration: Patent no.:

5621783

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: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: GB Patent no.: 0619932

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: Project: GSM

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Title:

Mobile Phones

Country of registration: FF

P199900076 Application no.:

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.

Title: Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

> Areas CA

Country of registration: Application no.:

2274138

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 Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Title: Country of registration:

Application no.:

97196200-6

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 **GSM**

Project: Title:

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration:

KR

Application no.:

1998/708714

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.: Notes:

56355

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

TW

319935

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.

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

Company name:

Fricsson **GSM**

Project: Title:

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset US

Country of registration:

Patent no.: Notes:

6014561

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

JΡ

Application no.:

10-538454

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas BR

Country of registration: Application no.:

PI9713870-3

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.

Company name: Ericsson Project: GSM

Title: Method and apparatus for communication control in a radiotelephone system

Country of registration: Patent no.:

5353332 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 GB

Country of registration:

Patent no.:

2334859

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 Proiect: GSM

Title: Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas Country of registration: MX Application no.: 95054

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Restricting Operation of Cellular Telephones to Well Delineated Geographical

Areas

Country of registration:

Patent no.:

US 6011973

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: ΑU Patent no.: 718104

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,

Title: Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.:

Notes:

PI9707443-8

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Providing caller ID within a mobile telecommunications network JΡ

Country of registration: Application no.:

518248/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Restricting Operation of Cellular Telephones to Well Delineated Geographical Title:

Areas

Country of registration: ΑU Patent no.: 735117

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: **EPO** Application no.: 965244

Countries applicable:

Notes:

ES, SE, UK, BE, FI, FR, DE, 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: Fricsson Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: Patent no.:

ES 0598863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones NO

Country of registration: Application no.:

1999-0979

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Ericsson

Country of registration:

Application no.:

KR 2000035806

GSM

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name:

Proiect:

Title:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones JP

Country of registration:

Application no.:

Notes:

511544/98

Ericsson

GSM

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

Notes:

2276/DEL/97

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

Notes:

ID 97292

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: BR

Application no.:

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Notes:

PI9708916-8

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Country of registration:

HK

Application no.: Notes:

00107541-9

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.

Title: Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration: Patent no.: 720872

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Pop-subscription based mobile station idle mode cell selection

Country of registration:

ΕE Application no.: P199900394

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 CO

Country of registration: Application no.:

98-12315

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: GSM

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

RU

Country of registration:

Patent no.:

2173031

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: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

TR

Notes:

1999/00407

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones US

Country of registration:

5953323 Patent no.:

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.

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.: 10-1999-7008079

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: **GSM** Project:

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

IN 593/DEL/98

Application 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,

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

Company name: Ericsson Project: **GSM**

Radio link failure Title:

Country of registration: GR Patent no.: 0578810

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: Fricsson GSM Project:

Title: Radio link failure Country of registration: CH Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Radio link failure Title: Country of registration: DF

Patent no.:

69324308-2-08 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: DK Patent no.: 0578810

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**

Radio link failure Title:

Country of registration: FS Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Radio link failure

Country of registration: Application no.:

934350

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: CN Application no.:

97192319-1

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: Ericsson Project: **GSM**

Radio link failure Title:

Country of registration: GB Patent no.: 0578810

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: Fricsson GSM Project:

Title: Radio link failure

Country of registration: AT Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Radio link failure Title: Country of registration: HK

Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Patent no.: ID0002167

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

Radio link failure Title: Country of registration: 0578810 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,

Title: Radio link failure

Country of registration: JΡ Patent no.: 3210669

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Radio link failure Title: Country of registration: LU Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Country of registration: MY Patent no.: 109080-A

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: Fricsson Project: GSM

Title: Radio link failure Country of registration: FR

Patent no.: 0578810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Receiver Gain Country of registration: GB

Patent no.: GB 2 233 846

Countries applicable: GB

Notes: Ericsson OMC Ltd

Company name: Fricsson Project: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: MY Application no.: PI9800990

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TR Application no.: 1999/02478

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Patent no.:

6334052

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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:

Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

Title:

ΑU 4730697

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Application 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,

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

Company name: Fricsson Project: **GSM**

Title: Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

CA 2268846

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Radio link failure Title: BE

Country of registration: Patent no.:

0578810 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Application no.: 19782064-6

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**

Radio link failure Title:

Country of registration: ΑIJ 658489 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,

Title: Providing caller ID within a mobile telecommunications network

Country of registration: Patent no.:

2332830

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

MX 993165

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

Providing caller ID within a mobile telecommunications network Title:

Country of registration: Application no.: 040121

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: Fricsson Project: **GSM**

Title: Providing caller ID within a mobile telecommunications network

Country of registration: US Patent no.: 5930701

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Providing caller ID within a mobile telecommunications network Title:

Country of registration: ZΑ Patent no.:

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 GSM Project:

Title: Radio link failure

Country of registration: NL Patent no.: 0578810

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**

Providing caller ID within a mobile telecommunications network Title:

Country of registration: CN Application 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,

Title: Remote control supplementary service

Country of registration:

Application no.: 9400313-4

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: MX Patent no.: 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: Ericsson Project: **GSM**

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration: SĚ 500884 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,

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: MX Patent no.: 189229

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Country of registration: **EPO** Application no.: 622928

Countries applicable: ES, FI, FR, GB, GR, 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: Fricsson Project: **GSM**

Signalling supplementary services towards MS in GSM MSC Title:

Country of registration: DK Application no.: 94200258-5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

94200258-5

Application 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,

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration:

CŇ Application no.: 94101803-2

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: Ericsson **GSM** Project:

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration: Patent no.:

ΑU 673709

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

Selection of location measurement units for determining the position of a mobile communication station Title:

Country of registration: **PCT**

Application no.: PCT/SE00/01327

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: **GSM**

Title: Selection of location measurement units for determining the position of a mobile communication station

Country of registration: US Patent no.: 6282427

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Selection of location measurement units for determining the position of a mobile communication station Title:

Country of registration:

Application no.: 00948432/0 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: Ericsson Project: **GSM**

Title: Restoration of a home location register in a mobile telephone system

Country of registration: US Patent no.: 5561854

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**

Speech coding with improved background noise reproduction Title:

Country of registration: CN Application no.:

99810944/4

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Remote control supplementary service

Country of registration: US Patent no.: 5781858

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Ericssor Project: GSM

Title: Signalling supplementary services towards MS in GSM MSC

Country of registration: Patent no.:

on: US 5724664

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Remote control supplementary service

Country of registration: Application no.:

520542/95

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: VE Patent no.: VE 51903

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: US
Patent no.: 5193140

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Regular pulse positioning algorithm

Country of registration: TW Patent no.: TW 44797

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Regular pulse positioning algorithm

Country of registration: TR
Patent no.: 24559

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Regular pulse positioning algorithm

Country of registration:
Application no.:

10822

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: SG Patent no.: SG 1633

Patent no.: 163 Notes: The

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: SE
Patent no.: 8901697

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: SA
Application no.: 90110060

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: Regular pulse positioning algorithm

Country of registration: PK 132308

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Regular pulse positioning algorithm

Country of registration: PH 27161

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

Title: Regular pulse positioning algorithm

Country of registration: NZ Patent no.: NZ 233100

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Regular pulse positioning algorithm

Country of registration: NL 397628

Notes: 397628

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Ericssor Project: GSM

Title: Restoration of a home location register in a mobile telephone system

Country of registration: Application no.:

SE 9301075-9

Application no.: 9301075-9 Notes: The SIGNA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: RI

Application no.: 2001110168

Notes: The 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 GSM

Title: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration: US

Country of registration: Patent no.: Notes:

6002936

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: An adaptive criterion for speech coding

Country of registration: Application no.:

MY 9903552

Application 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,

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

Company name: Ericsson
Project: GSM

Title: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration: EPO
Application no.: 1062825
Countries applicable: DE, GB, IT

Countries applicable: DE, GB, IT **Notes:** The SIGNATORY has notified ETSI that it is the proprietor of the ab

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration:

CN 99805946-3

Application no.: 99805946
Notes: The 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,

Title: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration: Application no.:

29907/99

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.

Company name: **GSM** Project:

Title: System and Method for Adaptive Thresholds for Cell Load Sharing US

Country of registration: Patent no.: Notes:

6266531

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

09/469258

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed 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 encoding including soft adaptability feature US

Country of registration: Patent no.:

6058359

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Speech encoding including soft adaptability feature Title:

Country of registration: JP

Application 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,

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: EPO 1008141 Application no.: Countries applicable: 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: **GSM**

Title: Speech encoding including soft adaptability feature

Country of registration:

CN 998036404

Application 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,

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

20011222

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Speech coding with improved background noise reproduction

Country of registration: Patent no.: Notes:

US 6275798

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Signalling supplementary services towards MS in GSM MSC

Country of registration: SĞ 44528 Patent no.:

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: Fricsson Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: DK Patent no.: 0598863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Regular pulse positioning algorithm Title:

Country of registration:

K\//

Application no.: PA31/90 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: Ericsson Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: AR Application no.: 990104639

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**

Speech coding with improved background noise reproduction Title:

Country of registration: ΑIJ Application no.: 63774/99

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,

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

9913754/2

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: **GSM** Project:

Speech coding with improved background noise reproduction

Country of registration: Application no.:

CA 2340160

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Application no.:

88113970

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: GSM

Title: Communication control technique for a radiotelephone system

Country of registration: MY Patent no.: 109870

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Speech coding with improved background noise reproduction Title:

Country of registration: SG

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Speech coding with improved background noise reproduction Title:

Country of registration: **EPO** Application no.: 1112568 Countries applicable: DE. FI. FR. GB. IT

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**

Speech coding with improved background noise reproduction Title:

Country of registration: IN 00244 Application 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,

Title: Speech coding with improved background noise reproduction

Country of registration:

Application no.: 2000/570769

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: MX

Application no.: PA/a/2001/002332

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Speech coding with improved background noise reproduction

Country of registration: MY
Application no.: 9903657

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW Patent no.: 6777

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: AU Patent no.: 6608

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: CN **Patent no.:** 1051901

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Regular pulse positioning algorithm

Country of registration: MY Patent no.: MY 106695-A

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: PCT/SE98/01515

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: GSM Project:

Title: Reducing sparseness in coded speech signals

Country of registration: Application no.:

ΑU 88952/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Radio link failure Title:

Country of registration: US Patent no.: 5487071

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: Fricsson GSM Project:

Title: Radio link failure

Country of registration: IJΑ 32528 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,

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

Company name: Ericsson Project: **GSM**

Radio link failure Title: Country of registration: TW

Patent no.: NI-084982

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

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**

An adaptive criterion for speech coding Title:

Country of registration:

Application no.: PCT/SF99/01350

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: An adaptive criterion for speech coding

Country of registration:

Application no.: PI9913292/3

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.

Company name: **GSM** Project:

Title: An adaptive criterion for speech coding

Country of registration: Application no.:

CA 2342353

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

CN 99812785/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,

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

Company name: Fricsson Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration: **EPO** Application no.: 1114414

Countries applicable: DE, FI, FR, GB, IT

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: JΡ

Application no.:

2000/568079 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Fricsson Project: **GSM**

Reducing sparseness in coded speech signals Title:

Country of registration: CA Application no.: 2301886

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: An adaptive criterion for speech coding

Country of registration:

Application no.: 2001108584

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: **GSM** Project:

Title: An adaptive criterion for speech coding

Country of registration: Application no.:

SG 200101215/2

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: Ericsson Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration: Application no.:

88113965

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: Fricsson **GSM** Project:

Title: An adaptive criterion for speech coding

Country of registration: US Patent no.: 6192335

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

An adaptive criterion for speech coding Title:

Country of registration: Application no.:

ZA 20011666

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: HK Patent no.: 1006623

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**

A Method for Achieving Optimal Channel Coding in a Communication System Title:

Country of registration: US 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,

Title: Communication control technique for a radiotelephone system

Country of registration: Patent no.:

2275589

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Communication control technique for a radiotelephone system

Country of registration: Application no.:

AR 326001

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Communication control technique for a radiotelephone system

Country of registration: Patent no.: 668591

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: Fricsson GSM Project:

Title: An adaptive criterion for speech coding

Country of registration:

MXApplication no.: PCT/SE99/01350

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

An adaptive criterion for speech coding Title:

Country of registration: KR

Application no.:

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: Communication control technique for a radiotelephone system

Country of registration: CA Application no.: 2123605

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**

Communication control technique for a radiotelephone system Title:

Country of registration: KR Patent no.: 10277558

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Radio link failure Country of registration: SF

Patent no.: 9200336-7

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,

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

Company name: **GSM** Project:

Title: Regular pulse positioning algorithm

Country of registration: BR Patent no.: 9006761

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**

System and Method for Interworking of Wireless Communication Systems with ISDN Networks Title:

Country of registration: Application no.: 2993-98

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: Fricsson GSM Project:

Title: Regular pulse positioning algorithm

Country of registration: KR Patent no.: 095842

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**

Regular pulse positioning algorithm Title:

Country of registration: JΡ Patent no.: 3054438

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 **GSM** Project:

Title: Regular pulse positioning algorithm

Country of registration: Patent no.: 397628

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**

Regular pulse positioning algorithm Title:

Country of registration: 66681 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,

Title: Regular pulse positioning algorithm

Country of registration: Patent no.: 1475

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Regular pulse positioning algorithm

Country of registration: GB Patent no.: 0397628

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: Regular pulse positioning algorithm

Country of registration: 397628 Patent no.:

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: Fricsson Project: **GSM**

Title: Regular pulse positioning algorithm

Country of registration: Patent no.: 101753

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**

Regular pulse positioning algorithm Title:

Country of registration: ES Patent no.: 2060132

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 **GSM** Project:

Title: Regular pulse positioning algorithm

Country of registration: DK Patent no.: 397628

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**

Regular pulse positioning algorithm Title:

Country of registration:

69012419

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,

Title: Regular pulse positioning algorithm

Country of registration: CN Patent no.: 21207

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: ID Patent no.: 4158

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

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: Fricsson Project: **GSM**

Title: Reducing sparseness in coded speech signals

Country of registration: CN Application no.: 98808782/0

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: Ericsson Project: GSM

Reducing sparseness in coded speech signals Title:

Country of registration: **EPO** Application no.: 1008141 Countries applicable: DE, FR, GB, IT

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: Fricsson Project: **GSM**

Reducing sparseness in coded speech signals Title:

Country of registration:

Application no.: PCT/SF98/01515

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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

Country of registration:

Application no.: 2000-209080

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: K

Application no.: 20007002011

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: CL Patent no.: 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,

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: RU 2000108437

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: CA
Patent no.: 2032520

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW Patent no.: 116215

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Reducing sparseness in coded speech signals

Country of registration: US 6029125

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Reducing sparseness in coded speech signals

Country of registration: US 6301556

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Regular pulse positioning algorithm

Country of registration: Application no.: 3768

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Regular pulse positioning algorithm

Country of registration: Patent no.:

AU 629637

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Regular pulse positioning algorithm

Country of registration: MX 177887 Patent no.:

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: Fricsson GSM Project:

Title: Reducing sparseness in coded speech signals MX

Country of registration:

Application no.: 2000001837

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Handoff of a mobile station between half rate and full rate channels Title:

Country of registration: Patent no.: NI-58829

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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Patent no.: 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**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system Title:

Country of registration: 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,

Company name: Ericsson

Project: **GSM**

Title:

Country of registration: Patent no.:

Notes:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

1009666

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Patent no.: Notes:

GSM

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

GB 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: Title:

Ericsson **GSM**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Patent no.:

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:

Fricsson **GSM**

FΙ

Title:

Country of registration: Application no.:

Notes:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

940490 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Patent no.:

Notes:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

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: Title:

Ericsson

GSM

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

Patent no.:

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**

Title: Country of registration:

Patent no.:

Notes:

Means in conjunction with updating one or more HLR databases included in a mobile telephone 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,

Company name: Ericsson GSM

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Ch

Patent no.: 93106542-9

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: Ericsso Project: GSM

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

CA 2112971

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: BR 9305535-8

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: DE **Patent no.:** DE 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: Encryption system for digital cellular communications

Country of registration: MX Patent no.: 178507

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: MX **Patent no.:** 181942

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: SE Patent no.: SE 0472511

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: NL Patent no.: 0472511

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: MX 180069

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: KR Patent no.: 222631

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: JP 3081681

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: IT
Patent no.: 047251

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: HK Patent no.: HK 1003/97

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.

Company name: Ericsson GSM

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: GR Patent no.: 0472511

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Title: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration: IL Application no.: 138324

Application no.: 138324 Notes: The Slo

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

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

Company name: Ericssor
Project: GSM

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: FR 0472511

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: System and Method for Interworking of Wireless Communication Systems with ISDN Networks

Country of registration: US 6073018

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: DK **Patent no.:** 0472511

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: US Patent no.: US 5327576

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method and apparatus for Synchronizing private radio systems

Country of registration: AR
Application no.: 970103905

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method for a mobile tele system when assigning a traffic channel

Country of registration: DE Patent no.: DE 693130

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 a mobile tele system when assigning a traffic channel

Country of registration: Patent no.:

0598863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method for a mobile tele system when assigning a traffic channel

Country of registration: Patent no.:

BE 0598863

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: Method for a mobile tele system when assigning a traffic channel

Country of registration: Patent no.: 662225

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: GSM

Title: Method and system for determining position of mobile radio terminals US

Country of registration: Patent no.:

6064888

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 system for determining position of mobile radio terminals Title:

Country of registration: **EPO** Application no.: 1034678 Countries applicable: DE, ES, GB

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: Fricsson Project: **GSM**

Method and system for determining position of mobile radio terminals Title: CN

Country of registration: Application no.:

98813330

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 system for determining position of mobile radio terminals

Country of registration:

2311717

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

Title: Method and apparatus for Synchronizing private radio systems

Country of registration: Patent no.:

5898929

Notes: 589892

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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

Country of registration: Application no.:

Title:

SE 9900706-4

Application no.: 9900706-4 Notes: The 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: GSM

Title: Method and apparatus for Synchronizing private radio systems

Country of registration:

Application no.: 2202/DEL/1997

Notes: The SIGNATO

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Method and apparatus for Synchronizing private radio systems

Country of registration: ID

Country of registration: Application no.:

Application no.: 972928
Notes: The SIG

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

JP 3235837

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,

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: CL **Application no.:** 1763/97

Country of registration: CL

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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,

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

Company name: Ericsson GSM

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: KR
Patent no.: 289375

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Patent no.:

5999811

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Patent no.: Notes:

RU 2160975

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Application no.:

1998/706382

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:

Fricsson **GSM**

Title:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Application no.:

ΗK 99103668-7

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,

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:

876736

Application no.: 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: Title:

GSM

Country of registration:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Patent no.:

Notes:

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.

Company name:

Ericsson

Project:

GSM

Title: Country of registration: Means in conjunction with updating one or more HLR databases included in a mobile telephone system TH

Application no.:

19083

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Patent no.: 45170

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may 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: **GSM** Project:

Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system SE

Country of registration: Patent no.: Notes:

9201723-5

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,

under the IPRs on terms and conditions which are 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**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system Title:

Country of registration: Application no.:

93130572

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: Fricsson Project: **GSM**

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: ΝZ Patent no.: 253369

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system Title:

Country of registration:

NL

Patent no.: 0597079 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: ES Patent no.: 2101736

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**

Method and apparatus for Synchronizing private radio systems Title:

Country of registration: CO Application 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,

Title: Multiframe synchronization control

Country of registration: Application no.:

P0000093

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Radio link failure Title:

Country of registration: RU

Application no.: 93058249/09

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.

Ericsson Company name: Project: **GSM**

Title: Periodic power regulation

Country of registration: Application no.:

942033

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: **GSM**

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: CA Application no.: 2049712

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Periodic power regulation Title:

Country of registration: CN Patent no.: 56451

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: Handoff of a mobile station between half rate and full rate channels

Country of registration: Patent no.: 0472511

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**

Periodic power regulation Title:

Country of registration: AT

Application no.: 93919748-9

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,

Title: Multiframe synchronization control

Country of registration: Patent no.: 97/9449

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Multiframe synchronization control Title:

Country of registration: US Patent no.: 6215798

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**

Multiframe synchronization control Title:

Country of registration: Patent no.: NI-100460

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: Fricsson Project: **GSM**

Title: Multiframe synchronization control

Country of registration: KR

Application no.: 10-1999-7003688

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Multiframe synchronization control Title:

Country of registration:

JP

Application no.:

521287/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: SG Patent no.: 52648

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**

Periodic power regulation Title:

Country of registration: JΡ Application no.:

507106/94

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 control technique for a radiotelephone system

Country of registration: NZ Patent no.: 256326

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Periodic power regulation

Country of registration: **EPO** Application no.: EP-611499

Countries applicable: BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE

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 **GSM** Project:

Title: Multiframe synchronization control

Country of registration: **EPO** 935867 Application no.:

Countries applicable: DE, FI, FR, GB, IT, NL

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 Proiect: **GSM**

Title: Multiframe synchronization control

Country of registration: Application no.:

2271046

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: **GSM**

Title: Multiframe synchronization control

Country of registration: BR

Application no.: PI9712478-8

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: Multiframe synchronization control

Country of registration: ΑU Application no.: 4890497

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 **GSM** Project:

Title: Method for encryption of information

Country of registration: Application no.:

09/410044

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 encryption of information

Country of registration: Patent no.:

5987139

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Method for encryption of information

Country of registration: Patent no.:

SE 9503343-7

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**

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset Title:

Country of registration: Application no.: 897647

Countries applicable: BE, DE, FI, FR, GB, IT, 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.

Company name: Ericsson Project: **GSM**

Encryption system for digital cellular communications Title:

Country of registration:

9491780-4

SG

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,

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:

Patent no.: 132769

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Fricsson Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: ΝZ 238651 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,

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

Company name: Ericsson **GSM** Project:

Title: System and Method for Interworking of Wireless Communication Systems with ISDN Networks

Country of registration: VΕ Application no.: 2760-98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 control technique for a radiotelephone system

Country of registration: Application no.:

9401644-1

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: Ericsson
Project: GSM

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: Patent no.:

AU 8261991

Notes: 8261991

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Encryption system for digital cellular communications

Country of registration: GB 2261348

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Encryption system for digital cellular communications

Country of registration: HK
Patent no.: 297/1995

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Periodic power regulation

Country of registration: AU **Patent no.:** 672628

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Encryption system for digital cellular communications

Country of registration: JP 2688659

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Periodic power regulation

Country of registration: NZ Patent no.: NZ 255617

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Encryption system for digital cellular communications

Country of registration: Patent no.: 214763

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Periodic power regulation

Country of registration: US Patent no.: 5887245

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.: 01031

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: Fricsson Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: TW Patent no.: 54421

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Encryption system for digital cellular communications Title:

Country of registration:

Patent no.: ZL91105013-2

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: Ericsson Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: Application no.: 942 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Encryption system for digital cellular communications Title:

Country of registration: CA 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,

Title: Encryption system for digital cellular communications

Country of registration:

Patent no.: PI9106663-8

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: **GSM** Project:

Title: Encryption system for digital cellular communications

Country of registration: ΑU Patent no.: 645464

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: 1380 Application no.:

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: Fricsson GSM Project:

Title: Communication control technique for a radiotelephone system

Country of registration: US Application no.: 945468

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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**

Communication control technique for a radiotelephone system Title:

Country of registration: TW Patent no.:

68857 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Communication control technique for a radiotelephone system

Country of registration: TΗ Application no.: 020089

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**

Periodic power regulation Title:

Country of registration: TW Patent no.: 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,

Company name: Ericsson GSM

Title: Periodic power regulation

Country of registration: RU 2115241

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: US 5148485

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Gemplus Project: GSM

Title: Procédé, carte à puce et terminaux pour effectuer des transactions à travers un réseau de

télécommunication.

Country of registration:FRApplication no.:FR9714578ETSI Deliverable:GSM 11.14

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 Country of registration: JP

Application no.: 500 325-54 (1979)

Patent no.: 1 435 657 (25.04.98)

Countries applicable: JP

Notes: Code: SCLIF. Expiry date: 23/01/1999. 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: FR

Notes: Code: SCLIF. Expiry date: 24/01/1998. Final grant secured.

Company name: Innovatron Project: GSM US

 Application no.:
 169 114 (17/09/79)

 Patent no.:
 4 494 464 (13.09.83)

Countries applicable: US

Notes: Code SCLIF. Expiry date: 13/09/2000. Final grant secured.

Company name: Innovatron Project: GSM Country of registration: DE

Application no.: 29 33 191.7 (20/09/79)
Patent no.: 29 33 191 (06.02.92)

Countries applicable: DE

Notes: Code: SCLIF1. Expiry date: 23/01/1999. Final grant secured after opposition.

Company name: Innovatron Project: GSM Country of registration: DE

Application no.: 29 54 748.6 (19.12.94)

Countries applicable: DE

Notes: Code: SCLIF3. Expiry date: 23/01/1999. Examination in progress.

Company name: Innovatron Project: **GSM**

Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices

Country of registration:

32 293/79 (23/01/79) Application no.: Patent no.: 2 036 435 (03.11.82)

Countries applicable:

Code: SCLIF. Expiry date: 23/01/1999. Final grant secured. Notes:

Company name: Innovatron **GSM** Project: Country of registration: SE Application no.: 79 07774-9 Patent no.: 431 687 Countries applicable:

Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company name: Innovatron Project: **GSM** Country of registration: DE

29 54 742.0 (09/03/93) Application no. Countries applicable: DE

Notes: Code: SCLIF2. Expiry Date: 23/01/1999. Examination in progress.

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: FΙ Patent no.: FI105624

Countries applicable: FΙ

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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**

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: CA

Patent no.: CA2050979

Countries applicable: CA

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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**

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: EPΩ Patent no.: EP0475520

Countries applicable: AT, BE, CH, LI, DE, DK, ES, FR, GB, IT, LU, NL, SE

ETSI Deliverable: ETS 300 581-2: ETS 300 726: 3G TS 26.090 V.3.1.0 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** Project: **GSM**

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: US US5528629 Patent no.:

Countries applicable: US

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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: **GSM** Project:

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: PT Patent no.:

PT98900

Countries applicable:

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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

Country of registration: NO

Patent no.: NO302549 NO

Countries applicable:

ETSI Deliverable: ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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: **GSM** Project:

Title:

Method for coding an analog signal having a repetitive nature and a device for coding by said method JΡ

Country of registration: Patent no.: JP2640595

JP

Countries applicable: **ETSI Deliverable:**

Notes:

ETS 300 581-2; ETS 300 726; 3G TS 26.090 V.3.1.0

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.

Libertel Groep B.V. Company name:

Project: **GSM** Country of registration: PCT

Application no.: PCT/NL98/00480 Patent no.: Pending **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.

Libertel Groep B.V. Company name:

Project:

Number Portability Title:

Country of registration: NL

Application no.: 1006862 Patent no.: 1006862 Countries applicable: NI **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: GŚM

Automatic Telephone Number Dialler Title:

Country of registration: **EPO**

Patent no.: Published A1-0 075 120

Countries applicable: AT, BE, DE, FR, GB, IT, LU, NL, SE

An evaluation report for Lupa Finances' published European patent application, EP 0 075 120 A1 has Notes:

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: GŚM

Title: Automatic Telephone Number Dialler

Country of registration: CH Application no.: 6127/81

Countries applicable: CH 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.

Matra Company name: **GSM** Project:

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications US

Country of registration: Application no.: 5 128 925 Countries applicable: US

ETSI Deliverable: GSM 04.08, V 05.10

Company name: Matra Project: **GSM**

Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de

Communication avec les Mobiles

Country of registration: FΙ Application no.: 91 03 903 Countries applicable: FΙ

ETSI Deliverable: GSM 04.08, V4.9.0

Company name: Matra **GSM** Project:

Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de

communication avec les mobiles

Country of registration: Application no.: 90 10 485 **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: PT 93 870 Application no.: Countries applicable: PΤ

GSM 04.08, V 05.10 **ETSI Deliverable:**

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: NO Application no.: 90 18 15 Countries applicable: NO

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: JP 1 986 761 Application no.: Countries applicable: JΡ

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: Application no.: 90 2080

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: CA 2 015 237 Application no.: Countries applicable: CA

GSM 04.08, V 05.10 **ETSI Deliverable:**

Matra Company name: Project: **GSM**

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 Countries applicable: BR

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: ΑÜ Application no.: 622 543 Countries applicable:

ETSI Deliverable: GSM 04.08, V 05.10

Company name: Matra Project: **GSM**

Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de

communication à multiplexage dan

FR Country of registration: Application no.: 90 10 485 Countries applicable: FR

GSM 04.08, V4.9.0 **ETSI Deliverable:**

Company name: Matra Project: GSM

Country of registration:

Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

> applications EPO

0398773 B1 Application no.:

Countries applicable: AT, BE, CH, DE, DK, ES, GB, IT, LI, LU, NL, SE

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: ΙE Application no.: 65 521 Countries applicable: ΙE

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: Application no.: 89 05 469 Countries applicable: FR

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Matra Project: **GSM**

Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de

Communication avec les Mobiles

Country of registration: EPO Application no.: 0472 460 B1

Countries applicable: BE, DE, DK, ES, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 04.08, V4.9.0

Company name: Matra Project: **GSM**

Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de

Communication avec les Mobiles

Country of registration: ΑU Application no.: 638 160 Countries applicable: ΑU

ETSI Deliverable: GSM 04.08, V4.9.0

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Control Device for Radio Communication Apparatus

Country of registration: CA CA 2 038 645 Patent no.:

Countries applicable: CA **ETSI Deliverable:** GSM 05 series

Notes: **TDMA Timing Control**

Company name: Mitsubishi Electric Corporation

Project: **GSM**

Method and Apparatus for Handoff of in Call Pogress Title:

Country of registration: SG

Patent no.: SG 606/64

Countries applicable: SI

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: **GSM**

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: HK

Patent no.: HK 923/94

Countries applicable: HK

ETSI Deliverable: GSM 03.09 and 05.08 Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: SE

Patent no.: Published SE 8 801 191 Countries applicable: SE

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: DK

Patent no.: DK 8 801 699

Countries applicable: DK

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Control Device for Radio Communication Apparatus

Country of registration: EPO

Patent no.: EP 0464 314 A
Countries applicable: GB, FR, DE, SE
ETSI Deliverable: GSM 05 series
Notes: TDMA Timing Control

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: NO Patent no.: NO 174 448 B

Countries applicable: NO

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Desired Company name.

Project: GSM Title: Meth

Title: Method and Apparatus for Handoff of in Call Pogress **Country of registration:** JP

Patent no.: Published JP 63245142

Countries applicable: JP

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Progress Country of registration: CA

Patent no.: CA 1 306 014

Countries applicable: CA

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Progress

Country of registration: US

Patent no.: US 5 067 171

Countries applicable: US

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Method and Apparatus for Handoff of in Call Progress

Country of registration: GB

Patent no.: GB2 204 215

Countries applicable: GB

ETSI Deliverable: GSM 03.09 and 05.08

Company name: Mitsubishi Electric Corporation

Project: GSM

Title: Control Device for Radio Communication Apparatus

Country of registration: JP

Patent no.: Published JP 406 882 7

Countries applicable: JP

ETSI Deliverable: GSM 05 series
Notes: TDMA Timing Control

Title: An Antenna Array for a Cellular RF Communications System.

Country of registration: GB

Patent no.: 1 573 560

Countries applicable: GB

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration: GB
Application no.: 9420077.1
Countries applicable: GB
ETSI Deliverable: GSM 06.20

Company name: Motorola Project: GSM

Title: General Purpose Data Control System

Country of registration:GBApplication no.:9422823.6Countries applicable:GBETSI Deliverable:GSM 06.20

Company name: Motorola Project: GSM

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration:SEApplication no.:9403630-8Countries applicable:SEETSI Deliverable:GSM 06.20

Company name: Motorola Project: GSM

Title: General Purpose Data Control System

Country of registration:NOPatent no.:173 799Countries applicable:NOETSI Deliverable:GSM 04.08

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Apparatus

Country of registration: SE
Application no.: 9404086
Countries applicable: SE
ETSI Deliverable: GSM 06.20

Company name: Motorola GSM

Title: Vector Quantizer Method and Apparatus

Country of registration: GB
Application no.: 9420077.1
Countries applicable: GB

Company name: Motorola Project: GSM

Title: Data Signalling System
Country of registration: EPO

Patent no.: EP 0 116 577

Countries applicable: FR, GB, DE, NL, LI, SE, CH

Company name: Motorola Project: GSM

Title: Digital Speech Coder Having Improved Long Term Lag Parameter Determination

Country of registration: EPO

Patent no.: EP0415163

Countries applicable: BE, CH, DE, FR, GB, IT, LI, NL

ETSI Deliverable: GSM 06.20

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

Title: Data Signalling System

Country of registration: NO Patent no.: 169 415 Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Selective Call Paging and Priority Signalling System Title:

Country of registration: NO 168 079 Patent no.: Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Title: Selective System Scan for Multibone Radiotelephone Subscriber Units

Country of registration: ΙE Application no.: 2029/89 Countries applicable: ΙE

Company name: Motorola Project: **GSM**

Title: Cellular Voice & Data Telephone System

Country of registration: NO Patent no.: 169 810 Countries applicable: NO

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: Digital Speech Coding having improved Vector Excitation Source

Country of registration: FΙ Application no.: 894151 Countries applicable: FΙ **ETSI Deliverable:** GSM 06.20

Company name: Motorola Project: **GSM**

Cellular Radio Telephone with Dropped Call Protection Title:

Country of registration: **EPO**

Patent no.: Published A2-0 325 713

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ETSI Deliverable: GSM 04.08

Company name: Motorola GSM Project:

Title: Packet Switched Cellular Telephone System

Country of registration:

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

Company name: Motorola Project: **GSM**

TDMA Communication System with Adaptative Equalization Title:

Country of registration: **EPO**

Patent no.: Published A2-0 343 189

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: **EPO**

EP0372008B Patent no.:

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

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: Colocated Cellular Radiotelephone Systems

Country of registration: EPO

Patent no.: EP0595786

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: Vector Quantizer Method and Application

Country of registration: DE Patent no.: P4447647 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

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

Company name: Motorola Project: GSM

Title: Error Protection for Multi-Mode Speech Coders

Country of registration: EPO

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

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Application

Country of registration: FR **Patent no.:** FR9410202

Countries applicable: FR

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: Method and Apparatus for Controlling a TDM Communication Device

Country of registration: EPO

Patent no.: Published A1-0538546

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.01

Company name: Motorola Project: GSM

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: DK
Application no.: DK4381/89
Countries applicable: DK

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: TDM Communication System Efficient Spectrum Utilization

Country of registration: EPO

Patent no.: Published B1 0261 112

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.01

Company name: Motorola Project: GSM

Title: Method and Apparatus for Controlling a TDM Communication Device

Country of registration: EPO

Patent no.: Published A2-0412583

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.01

Title: LPC Based Speech Synthesis with Adaptative Pitch Pre-Filter

Country of registration: EPO

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

Company name: Motorola **Project:** GSM

Title: Method and Apparatus for Controlling a TDM Communication Device

Country of registration: EPO

Patent no.: Published B1-0261127

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE

ETSI Deliverable: GSM 05.01

Company name: Motorola

Project: GSM

Title: Digital Speech Coding having improved Vector Excitation Source

Country of registration: EPO

Patent no.: Published B1-0372008

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 06.20

Company name: Motorola Project: GSM

Title: Radio Arrangement having Two Radios Sharing Circuitry

Country of registration: FI
Application no.: 89 2678
Countries applicable: FI

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Application

Country of registration: DE
Patent no.: P4492048
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

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

Company name: Motorola Project: GSM

Title: Digital Radio Communication System and Two-Way Radio

Country of registration: EPO
Application no.: 90 906636.7
Countries applicable: EPO

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Radio Arrangement having Two Radios Sharing Circuitry

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

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Digital Speech Coding having improved Vector Excitation Source

Country of registration: DK
Application no.: 4381/89
Countries applicable: DK
ETSI Deliverable: GSM 06.20

Company name: Motorola Project: GSM

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration:DKApplication no.:6161/87Countries applicable:DKETSI Deliverable:GSM 05.01

Title: Cellular Voice & Data Telephone System

Country of registration: DK Application no.: 859/86 Countries applicable: DK

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

General Purpose Data Control System Title:

Country of registration: DK

Published 129 884 Patent no.: Countries applicable: DK **ETSI Deliverable:** GSM 04.08

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: DK

Patent no.:

Published 165 273 Countries applicable: DK

ETSI Deliverable: GSM 05.08

Company name: Motorola Project: **GSM**

Title: **Data Signalling System** Country of registration: DK Patent no.: Published 170 082

Countries applicable: DK **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: GSM

Title: TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase

Variation and Multipath Fading

Country of registration: **EPO**

Published A2-0 318 686 Patent no.:

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE Countries applicable:

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Colocated Cellular Radiotelephone Systems

Country of registration: **EPO** Application no.: 88306565.8 Countries applicable: **EPO ETSI Deliverable:** ETR 314

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: Handoff Apparatus and Method with Interference Reduction for Radio System

Country of registration: **EPO**

Patent no.: Published A2-0255628

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.08

Company name: Motorola Project: GSM

Title: Selective Call Paging and Priority Signalling System

Country of registration: **EPO**

Patent no.: EP B1 0115 499 FR, GB, NL, SE Countries applicable: **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Title: General Purpose Data Control System

Country of registration: EPO

EP B1 0115 507 Patent no.:

Countries applicable: CH, DE, FR, GB, NL, LI, SE

ETSI Deliverable: GSM 04.08

Title: Two-way personal message with extended coverage

Country of registration: EPO

Patent no.: EP B1 0179 898

Countries applicable: AT, BE, CH, FR, GB, LU, IT, NL, SE

ETSI Deliverable: GSM 03.02

Company name: Motorola Project: GSM

Title: Cellular Voice & Data Telephone System

Country of registration: EPO

Patent no.: EP B1 0188 554

Countries applicable: AT, BE, CH, DE, FR, GB, IT, NL, SE

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: EPO

Patent no.: EP B1 0269 643

Countries applicable: AT, BE, CH, LI, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.08

Company name: Motorola Project: GSM

Title: Radio Arrangement having Two Radios Sharing Circuitry

Country of registration: EPO

Patent no.: EP 0 310 876

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Trunked Communication System with Nationwide Roaming Capability

Country of registration: EPO

Patent no.: Published A1-0 398 911

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Selective Call Paging and Priority Signalling System

Country of registration: DK

Patent no.: Published 170 085

Countries applicable: DK
ETSI Deliverable: GSM 04.08

Company name: Motorola Project: GSM

Title: Radio Arrangement having Two Radios Sharing Circuitry

Country of registration: NO Application no.: 892094 Countries applicable: NO

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: FI
Patent no.: FI
Countries applicable: FI

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: Vector Quantizer Method and Application

Country of registration: GB
Patent no.: GB
GB2282943

Countries applicable: GB

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: Selective System Scan for Multizone Radiotelephone Subscriber Units

Country of registration: EPC

Patent no.: Published A2-0 352 786

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Local PSTN Interconnect with Remote Signal Link Processing

Country of registration: DE

Patent no.: P 4105884.4

Countries applicable: DE

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Digital Radio Communication System and Two-Way Radio

Country of registration: FI
Application no.: 91 5002
Patent no.: FI

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Application

Country of registration: FR
Patent no.: FR9410203

Countries applicable: FR

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: An Antenna Array for a Cellular RF Communications System.

Country of registration: DE

Patent no.: P. 28 06 178

Countries applicable: DE

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Two-way personal message with extended coverage

Country of registration: DE

Patent no.: P. 3 382 107.0

Countries applicable: DE GSM 03.02

Company name: Motorola Project: GSM

Title: Digital Speech Coder Having Improved Long Term Predictor

Country of registration: EPO 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Vector Quantizer Method and Application

Country of registration: FR

Patent no.: FR9403414

Countries applicable: FR

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: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration: DE

Application no.: P 4491015T1
Countries applicable: DE
ETSI Deliverable: GSM 06.20

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: DE
Patent no.: P 3 787 788
Countries applicable: DE
ETSI Deliverable: GSM 05.08

Company name: Motorola Project: GSM

Title: Data Signalling System

Country of registration: IT
Patent no.: 1 168 619
Countries applicable: IT

ETSI Deliverable: GSM 04.08

Company name: Motorola GSM

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration: NO 874685
Countries applicable: NO GSM 05.01

Company name: Motorola Project: GSM

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder Country of registration: FR

Patent no.: Published 9401450

Countries applicable: FR
ETSI Deliverable: GSM 06.20

Company name: Motorola Project: GSM

Title: Cellular Voice & Data Telephone System

Country of registration: FI
Patent no.: 79 768
Countries applicable: FI

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration: FI
Patent no.: 86 122
Countries applicable: FI
ETCL Politographic: CSM 05 04

ETSI Deliverable: GSM 05.01

Company name: Motorola Project: GSM

Title: TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase

Variation and Multipath Fading

Country of registration: FI
Patent no.: 97 712
Countries applicable: FI

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Packet Switched Cellular Telephone System

Country of registration: F

Patent no.: Published 8 901 276

Countries applicable: FI

ETSI Deliverable: GSM 05.08

Title: Cellular Radio Telephone with Dropped Call Protection

Country of registration:

Patent no.: Published 88 5520 Countries applicable: FΙ **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

General Purpose Data Control System Title:

Country of registration: IT

Patent no.: 1 168 620 Countries applicable: IT GSM 04.08 **ETSI Deliverable:**

Company name: Motorola Project: **GSM**

Title: Digital radio communication system and two-way radio

Country of registration: NŎ

Application no.: PCT/US 90/01829 Countries applicable: NO Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Vector Quantizer Method and Apparatus

Country of registration:

Patent no.: Published 2706064

Countries applicable: FR

GSM 06.20 **ETSI Deliverable:**

Company name: Motorola Project: **GSM**

Title: Vector Quantizer Method and Apparatus

Country of registration:

Patent no.: Published 2709366 FR

Countries applicable: **ETSI Deliverable:** GSM 06.20

Company name: Motorola Project: **GSM**

Title: Vector Quantizer Method and Apparatus

Country of registration:

Patent no.: Published 2709387

FR

Countries applicable: GSM 06.20 **ETSI Deliverable:**

Company name: Motorola Project: **GSM**

Vector Quantizer Method and Apparatus Title:

Country of registration: DE Application no.: P 4492048.2 Countries applicable: DE **ETSI Deliverable:** GSM 06.20

Company name: Motorola Project: GSM

Selective Call Paging and Priority Signalling System Title:

Country of registration: DE

P 3 382 094.5 Patent no.: Countries applicable: DE **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project:

Digital Speech Coding having improved Vector Excitation Source Title:

Country of registration: NO 893202 Application no.: Countries applicable: NO **ETSI Deliverable:** GSM 06.20.

Title: Clock Rate Matching in Independent Networks

Country of registration: FR
Patent no.: 9202058
Countries applicable: FR

Notes: Applies broadly to GSM.

Company name: NEC Corporation

Project: GSM

Title: Digital cellular telecommunications system (Phase 2); Radio subsystem synchronization

Country of registration: n/a
Patent no.: 0 318 033
Countries applicable: DE. GB. SE

ETSI Deliverable: ETS 300 579 (GSM 05.10, V4.9.0)

Notes: ETSI Deliverable: ETS 300 579 (GSM 05.10, V4.9.0)
This declaration (the DECLARATION)

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: 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: US
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: NEC Corporation
Project: GSM
Title: Speech Coder
Country of registration: EPO
Application no.: 91102440.4
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: Method and Apparatus for Encoding Voice Signals

Country of registration: US

Patent no.: 4 716 592
Countries applicable: US
ETSI Deliverable: GSM 06.60

Notes: Relevant to prETS 300 726 "Digital cellular telecommunications system; Enhanced Full Rate (EFR)

speech transcoding"

Company name: **NEC Corporation**

Project:

Title: Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS)

interface; Data Link (DL) layer specification"

Country of registration: n/a Patent no.: Re. 36,309

Countries applicable: US

ETSI Deliverable: ETS 300 938 (GSM 04.06, V5.2.1)

This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Notes:

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).

NEC Corporation Company name:

Project: **GSM**

Title: Speech Coder Country of registration: US 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: Nokia Project: **GSM**

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration:

Application no.: PCT/FI95/00390 Patent no.: WO 9602091 **ETSI Deliverable:** GSM 05.03

Company name: Nokia Project: **GSM**

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: CA 2010830 Application no.: Patent no.: CA 2010830 GSM 6.60 **ETSI Deliverable:**

Company name: Nokia GSM Project:

Title: Speech synthesiser

Country of registration: PCT

Application no.: PCT/GB96/01428 Patent no.: WO 9700516 **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

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

Nokia Company name: Project: **GSM**

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: NO Application no.: NO 972629 Patent no.: NO 9702629 **ETSI Deliverable:** GSM 04.21

Company name: Nokia Project: GSM

High-Speed Data Transmission In Mobile Communication Networks Title:

Country of registration: ΑU

Application no.: AU 41186/96 Patent no.: AU 9641186 **ETSI Deliverable:** GSM 04.21

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: GB
Application no.: 965123.0
Patent no.: GB 2299001
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

Country of registration: AU

Application no.: AU 24104/95 **Patent no.:** AU 682112

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: SSM

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

Country of registration: EPO
Application no.: EP 95918002.7
Patent no.: EP 709015

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: SSM

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

Country of registration: NO NO 960118
Patent no.: NO 9600118

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: SSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: FI
Application no.: FI 943302
Patent no.: FI 96650
ETSI Deliverable: GSM 05.03

Company name: Nokia Project: SSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: AU

Application no.: AU 28887/95
Patent no.: AU 9528887
ETSI Deliverable: GSM 05.03

Company name: Nokia Project: SSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: NO NO 960979
Patent no.: NO 9600979
ETSI Deliverable: SM 05.03

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

Countries applicable: EP 722634

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 05.03

Company name: Nokia Project: SSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: JP

 Application no.:
 JP 8-504136

 Patent no.:
 JP 9506491

 ETSI Deliverable:
 GSM 05.03

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: FI

Application no.: FI 945817
Patent no.: FI 97187
ETSI Deliverable: GSM 04.21

Company name: Nokia Project: SSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: PCT

Application no.: PCT/FI95/00673
Patent no.: WO 9618248
ETSI Deliverable: GSM 04.21

Company name: Nokia Project: GSM

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

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: SSM

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
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

Country of registration: FI
Application no.: FI 942191
Patent no.: FI 96468

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: GSM

Title: Predictive split-matrix quantization of spectral parameters for efficient coding of speech

Country of registration: PCT

Application no.: PCT/CA96/00202

Patent no.: WO 9631873

ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ZA
Application no.: 96/1913
Patent no.: ZA 96/1913
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: PCT

Application no.: PCT/CA96/00135
Patent no.: WO 9628810
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: GSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: SE
Application no.: 9600918-8
ETSI Deliverable: GSM 6.60

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: FI
Application no.: FI 950116
Patent no.: FI 98586
Countries applicable: FI
ETSI Deliverable: GSM 03.60

Company name: Nokia Project: SSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: FR
Application no.: 9602957
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:DEApplication no.:19609170.5ETSI Deliverable:GSM 6.60

Company name: Nokia Project: SSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: PCT
Application no.: PCT/CA96/00069
Patent no.: WO 9624925
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration: EPO
Application no.: 90915956.8
Patent no.: EP 516621
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: FR
Application no.: 9601426
Patent no.: FR 2730336
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: DE
Application no.: 19604273.9
ETSI Deliverable: GSM 6.60

Company name: Nokia
Project: GSM

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: AU

Application no.: AU 9644796 **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: SSM

Title: Vector adaptive predictive coder for speech and audio

Country of registration: US
Application no.: 35615
Patent no.: US 4969192
ETSI Polivorable: CSM 6 60, CSM 6

ETSI Deliverable: GSM 6.60, GSM 06.20

Company name: Nokia Project: GSM

Title: Vector adaptive predictive coder for speech and audio

Country of registration: JP

Application no.: 84973/1988

ETSI Deliverable: GSM 6.60, GSM 06.20

211

Company name: Nokia Project: **GSM**

Title: Vector adaptive predictive coder for speech and audio

Country of registration: EPO Application no.: 92108904.1 Countries applicable: DE, FR, GB, IT **ETSI Deliverable:** GSM 6.60, GSM 06.20

Company name: Nokia Project: GSM

Vector adaptive predictive coder for speech and audio Title:

Country of registration: CA

Patent no.: CA 1336454

ETSI Deliverable: GSM 6.60. GSM 06.20

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.: **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project:

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: ZA 96/0852 Application no.: Patent no.: ZA 96/0852 **ETSI Deliverable:** GSM 6.60

Company name: Nokia **GSM** Project:

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: PCT

Application no.: PCT/FI95/00527 WO 9610305 Patent no.: **ETSI Deliverable:** GSM 03.34

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: NL, BE, ES, AT, GR, LU, CH, LI

ETSI Deliverable: GSM 02.22

Company name: Nokia Project: **GSM**

Method for locking to the user's card in a portable radio telephone Title:

Country of registration: FΙ Application no.: 873309 Patent no.: FI 77550 **ETSI Deliverable:** GSM 02.22

Company name: Nokia Project: **GSM**

Method for locking to the user's card in a portable radio telephone Title: Country of registration: FR

Application no.: 88306554.2 Patent no.:

FR 0301740 **ETSI Deliverable:** GSM 02.22

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.: GB 0301740 **ETSI Deliverable:** GSM 02.22

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:

 Application no.:
 88306554.2

 Patent no.:
 IT 0301740

 ETSI Deliverable:
 GSM 02.22

Company name: Nokia Project: SSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:NOApplication no.:88.3330Patent no.:NO 173679ETSI Deliverable:GSM 02.22

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:PTApplication no.:88126Patent no.:PT 88126ETSI Deliverable:GSM 02.22

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

 ETSI Deliverable:
 GSM 02.22

Company name: Nokia Project: SSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:USApplication no.:221079Patent no.:US 4868846ETSI Deliverable:GSM 02.22

Company name: Nokia Project: SSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: AU
Application no.: 17857/95
ETSI Deliverable: GSM 03.64

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
ETSI Deliverable: GSM 03.64

Company name: Nokia Project: SSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration:DKApplication no.:4219/88Patent no.:DK 169158ETSI Deliverable:GSM 02.22

Company name: Nokia Project: SSM

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
ETSI Deliverable: GSM 03.60

Company name: Nokia Project: GSM

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: EPO
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

Company name: Nokia
Project: GSM
Country of registration: GB

Application no.: GB 9512284

Countries applicable: GB

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.

Company name: Nokia
Project: GSM
Country of registration: CA
Application no.: 010 830
Countries applicable: CA

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.

Company name: Nokia Project: GSM

Title: Telecommunications system

Country of registration: PCT

Application no.: PCT/FI95/00687
Patent no.: WO 9624200
ETSI Deliverable: GSM 05.02

Company name: Nokia **Project:** SSM

Title: Telecommunications system

Country of registration:SEApplication no.:9504541-5ETSI Deliverable:GSM 05.02

Company name: Nokia Project: GSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: FI
Application no.: 942038
Patent no.: FI 98426
ETSI Deliverable: GSM 03.64

Company name: Nokia **Project:** SSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: US
Application no.: 431559
Patent no.: US 5640395
ETSI Deliverable: GSM 03.64

Company name: Nokia Project: SSM

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
Patent no.: WO 9531879

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: GSM

Title: Telecommunications system

Country of registration: AU
Application no.: 42618/96
ETSI Deliverable: GSM 05.02

Company name: Nokia Project: SSM

Title: Telecommunications system

Country of registration: DE Application no.: 19546577.6 ETSI Deliverable: GSM 05.02

Title: Telecommunications system

Country of registration: FΙ Application no.: 950419 Patent no.: FI 99066 **ETSI Deliverable:** GSM 05.02

Company name: Nokia Project: **GSM**

Title: Telecommunications system

Country of registration: FR Application no.: 9514959 Patent no.: FR 2730117 **ETSI Deliverable:** GSM 05.02

Company name: Nokia Project: **GSM**

Title: Telecommunications system

Country of registration: GB Application no.: 9525966.9 **ETSI Deliverable:** GSM 05.02

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

Countries applicable: NL, IT, AT, FR, SE, CH, DE, GB

ETSI Deliverable: GSM 03.64

Company name: Nokia **GSM** Project:

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration:

FI 951019 Application no.: Patent no.: FI 100212 Countries applicable: FΙ **ETSI Deliverable:** GSM 04.21

Company name: Nokia **GSM** Project:

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: PCT

Application no.: PCT/FI95/00526 Patent no.: WO 9610320 **ETSI Deliverable:** GSM 03.34

Company name: Nokia Project: **GSM**

Data Transmission Method In A TDMA Mobile Communication System Title: ΑIJ

Country of registration:

Application no.: AU 35239/95 Patent no.: AU 9535239 **ETSI Deliverable:** GSM 03.34

Company name: Nokia Project: **GSM**

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: **EPO** Application no.: EP 95932031 EP 783826 Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.34

Company name: Nokia Project: **GSM**

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: Application no.: FI 944488 Patent no.: FI 96558 Countries applicable: FΙ

ETSI Deliverable: GSM 03.34

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: FI

Application no.: FI 944487
Patent no.: FI 96557
ETSI Deliverable: GSM 03.34

Company name: Nokia Project: SSM

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

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: JP
Application no.: 187037/1988
ETSI Deliverable: GSM 02.22

Company name: Nokia Project: SSM

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
ETSI Deliverable: GSM 03.60

Company name: Nokia Project: SSM

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
ETSI Deliverable: GSM 02.22

Company name: Nokia Project: GSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Country of registration: PCT
Application no.: PCT/Fl96/00019
Patent no.: WO 9621983
ETSI Deliverable: GSM 03.60

Company name: Nokia Project: SSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: AU

Application no.: AU 43928/96
Patent no.: AU 9643928
ETSI Deliverable: GSM 03.60

Company name: Nokia **Project:** SSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks
Country of registration: EPO

Application no.: EP 96900336.7 Patent no.: EP 804844

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.60

Company name: Nokia Project: SSM

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: EPO
Application no.: EP 95932032
Patent no.: EP 783811

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.34

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: NO

Application no.: NO 964687
Patent no.: NO 9604687
ETSI Deliverable: GSM 03.45

Company name: Nokia Project: SSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: AU

Application no.: AU 48332/96
Patent no.: AU 9648332
ETSI Deliverable: GSM 04.21

Company name: Nokia Project: SSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: EPO

 Application no.:
 EP 96904117.7

 Patent no.:
 EP 0813779

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 04.21

Company name: Nokia Project: SSM

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: FI
Application no.: FI 951020
Patent no.: FI 100213
Countries applicable: FI

ETSI Deliverable: GSM 03.45

Company name: Nokia Project: GSM

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: PC

Application no.: PCT/Fl96/00136
Patent no.: WO 9627975
ETSI Deliverable: GSM 03.45

Company name: Nokia Project: SSM

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: AU

Application no.: AU 48334/96
Patent no.: AU 9648334
ETSI Deliverable: GSM 03.45

Company name: Nokia Project: GSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: PCT

 Application no.:
 PCT/FI96/00134

 Patent no.:
 WO 9627959

 ETSI Deliverable:
 GSM 04.21

Company name: Nokia Project: SSM

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

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/Fl95/00191
Patent no.: WO 9528063
ETSI Deliverable: GSM 03.60

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration:

Application no.: FI 952256 Patent no.: FI 98174 Countries applicable: FΙ **ETSI Deliverable:** GSM 04.22

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: PCT Application no.: PCT/FI96/00260 WO 9636154 Patent no.: **ETSI Deliverable:** GSM 04.22

Company name: Nokia Project: **GSM**

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration:

Application no.: AU 56506/96 AU 9656506 Patent no.: **ETSI Deliverable:** GSM 04.22

Company name: Nokia Corporation

Project: GSM

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

9600918-8

SF

Application no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RU Application no.: 97116484

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

licences under the IPRs on terms and conditions which are 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 SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM Country of registration: FΙ Application no.: 943302 Patent no.: 96650

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration:

Application no.: 19617630.1

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: 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.: 9601195 Patent no.: 9601195

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: FI Application no.: 953252 Patent no.: 105001

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FR
Application no.: 9607841
Patent no.: 2736186

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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

Project: GSM

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration:

Application no.: 9612833.5
Patent no.: 2303034

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IT

 Application no.:
 MI96A/001200

 Patent no.:
 1283133

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

SE 9602230-6

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 and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: RU Application no.: 98101723 Patent no.: 2158446

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: Application no.:

Notes:

MX 9710357

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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 detecting hangover periods in a TDMA wireless communication system using Title:

CN

Country of registration:

Application no.:

96195176.1

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: **Nokia Corporation**

Project: **GSM**

Title: Guaranteed service selection

Country of registration: CN

Application no.: 99800032.9

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: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration:

Application no.:

JP 9-504848

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/FI00/00755

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

US Application no.: 08/672932 Patent no.: 5835889

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: KR Application no.: 706268

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: Guaranteed service selection

Country of registration: FPO Application no.: 99900478.1

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.

Company name: Nokia Corporation

Project: **GSM**

Title: Guaranteed service selection

Country of registration: JP Application no.: 11-536779

TS 23.060, TS 29.061 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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: **GSM**

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: ΑU Application no.: 70038/00

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: Incremental redundancy between coded blocks with different sizes

Country of registration: FPO Application no.: 00958556.3

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,

Project: GSM

Title: Guaranteed service selection

Country of registration: FΙ Application no.: 980062 Patent no.: 106831

TS 23.060, TS 29.061 **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:

Incremental redundancy between coded blocks with different sizes

Country of registration: US

Application no.: PCT/FI00/00755

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 apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration:

2222501 Application 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,

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 FPO

Country of registration: Application no.:

99940220.9

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: **GSM**

Title: Method for indicating power consumption in a packet switched communication system

Country of registration: Application no.: 981838

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:

Project: GSM

Title: Method for indicating power consumption in a packet switched communication system

Country of registration: JΡ

Application no.:

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: Method for indicating power consumption in a packet switched communication system

Country of registration:
Application no.:

09/383481

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Po

PCT

Notes:

PCT/FI99/00702

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AT
Application no.: A935/96
Patent no.: 405346

Patent no.: 405346 Notes: The SIG

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 62260/96
Patent no.: 701220

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 BR

Country of registration:

Application no.:

PI9608734-0

SIGNATORY and/o

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: GSN

GSM

Title: Country of registration:

Incremental redundancy between coded blocks with different sizes

Application no.:

FI 991932

Notes:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: SE

Application no.:

9602230-6

HK

Notes:

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

Application no.:

97101623,7

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

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: FR Application no.: 9607841 Patent no.: 2736186

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB Application no.: 9612833,5 Patent no.: 2303034

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IT

Application no.: MI96A/001200 Patent no.: 1283133

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

licences under the IPRs on terms and conditions which are 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

Country of registration:

Application no.: Notes:

JΡ

9-504848

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

licences under the IPRs on terms and conditions which are 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

Country of registration: DΕ

Application no.:

19617630,1

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

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: RU

Application no.:

PCT/FI96/00369

Notes:

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

96195176,1

CN

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/672932 Patent no.: 5835889

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ

Application no.:

2000-510263

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Data transfer in a mobile telephone network

Application no.: MI98A001897

Patent no.: 1302155 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration:

ΗK

Application no.:

Title:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Application no.: 9818013.6

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,

Nokia Corporation Company name:

Project:

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: ΑU Application no.: 5765396 Patent no.: 706206

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

Country of registration: Application no.:

9710357

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

RU Application no.: 98101107

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

licences under the IPRs on terms and conditions which are 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:

BR

CA

Project: **GSM**

Title: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

9608479-0

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:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF Title:

THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

2224688

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 CN

Country of registration:

Application no.:

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

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.:

EPO 96920925,3

Countries applicable: 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

Project: **GSM**

Title: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

P9750009

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.

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

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

9601195 9601195

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.

Company name: Nokia Corporation

GSM Project:

Title: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

9-502809

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO Application no.: 96914224

Countries applicable:

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

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF Title:

THE SYNTHESIZED SPEECH

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

662991 5946651

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

licences under the IPRs on terms and conditions which are 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

Country of registration:

Application no.: Notes:

FΙ

953252

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

licences under the IPRs on terms and conditions which are 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

Country of registration: ΑT Application no.: A935/96 Patent no.: 405346

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration: ΑŪ Application no.: 62260 Patent no.: 701220

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.:

ΒT

Notes:

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

CA 2222501

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 IN

Country of registration:

Application no.:

1054/MAS/96

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Application no.:

01101363.6

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: Data transfer in a mobile telephone network

DE

Country of registration:

Application no.:

Notes:

19835427.4 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: **Nokia Corporation**

Project: **GSM** Title:

Data transfer in a mobile telephone network

Country of registration:

CN

98810085.1 Application 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:

Title: Data transfer in a mobile telephone network

Country of registration: ΑU Application no.: 84437/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 transfer in a mobile telephone network

Country of registration: AT Application no.: A1348/98 Patent no.: 407.686

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: Point-to-multipoint mobile radio transmission

Country of registration: US Application no.: 09/132122

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**

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: CA

2194542 Application no.:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 JΡ

Country of registration: Application no.:

2000-506780

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.: 9810440

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 Application no.: 973303 105874 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:

Title: Point-to-multipoint mobile radio transmission

Country of registration: Application no.:

98925675.5

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Point-to-multipoint mobile radio transmission

Country of registration: CN

Application no.:

Notes:

98808034.6

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: Nokia Corporation

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

Country of registration: Application no.: 77698/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes:

US 09/603167

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

Notes:

Method for de-allocation of GPRS phycial channel

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: Nokia Corporation

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

Country of registration:

Application no.: 2000105897

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**

Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: AT Application 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:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

JΡ Country of registration:

Application no.: 08-529817

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 98112483,2

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: **Nokia Corporation**

Project: **GSM**

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: JΡ Application no.: 8534589

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 700253

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 9700803-1 Patent no.: 37836

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/776279 Patent no.: 5960354

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 70865/96 Patent no.: 715225

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

licences under the IPRs on terms and conditions which are 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: Application no.:

94433/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Data transfer in a mobile telephone network

Country of registration: Application no.: 973373 Patent no.: 106175

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

Country of registration: Application no.: 09/134615

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 transfer in a mobile telephone network

Country of registration: SF Application no.: 9802745-1

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.

Company name: **Nokia Corporation**

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: RU

Application no.: 2000106559

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: NL Application no.: 1009737 1009737 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,

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

Company name: Nokia Corporation

Project:

MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL Title:

Country of registration: FI Application no.: 954545 Patent no.: 101337

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 96190506,9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: Application no.:

CN 98810820.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

EPO Application no.: 96904119

Countries applicable: 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:

Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.:

NL 1010477

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.:

98120252

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 defining transmission power in a mobile station

Country of registration: Application no.:

09/185687

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ΑU Application no.: 4833496 Patent no.: 702866

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: CA Application no.: 2217693

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

IN

Project: **GSM**

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 96190165.9

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 2404/MAS/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ Application no.: 8526639

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 enhancing data transmission

Country of registration: JΡ Application no.: 9-529024

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: NO Application no.:

Title:

964687

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: US Application no.: 08/732467 Patent no.: 5805301

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Title: Country of registration: FΙ Application no.: 951807 Patent no.: 101439

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: ΑU Application no.: 62309/96 Patent no.: 714742

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration:

CA

Application no.:

2188788

Notes:

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

CN

Application no.: Notes:

98123845.9

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:

GSM

Title:

Cell selection in a multiple modulation cellular radio system

Country of registration:

CN

Application no.:

99803540.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Cell selection in a multiple modulation cellular radio system

Application no.:

EPO 99300036.3

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

Nokia Corporation

Company name: Project:

GSM

Title:

Cell selection in a multiple modulation cellular radio system

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

FΙ 980020

Notes:

106607

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

2000-528121

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Cell selection in a multiple modulation cellular radio system

Country of registration:
Application no.:

US 09/224234

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

235

Company name: Nokia Corporation

Project: Title:

GSM
Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.:

AU 89266/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project:

GSM

CH

2114/98

Title:

Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.:

10-300863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Method and arra

Country of registration:

Application no.: MI98A002

Notes:

Method and arrangement for defining transmission power in 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: Nokia Corporation

Project: GSM

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration:
Application no.:

19847678.7

Notes:

DE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ES
Application no.: 9802289
Patent no.: 9802289
Notes: The SIGI

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Application no.: 974144 Patent no.: 106665

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.:

9813208

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

GB 9823843.9

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: **GSM**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: CN

Application no.:

96193866,8

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

Country of registration: Application no.:

9804390-0

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: Nokia Corporation

Project: **GSM**

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: US Application no.: 416019 Patent no.: 5664053

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

licences under the IPRs on terms and conditions which are 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**

MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: FΙ Application no.: 952382

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: ΑU Application no.: 28887/95 Patent no.: 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

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

Country of registration: CN Application no.:

95190620.8

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: **GSM**

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM **EPO**

Country of registration: Application no.:

95924336,1

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: Nokia Corporation

Project: **GSM**

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

> SYSTEM JΡ

Country of registration: Application no.:

8-504136

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ΑU Application no.: 53363/96 Patent no.: 705619

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

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

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

Company name: Nokia Corporation

Proiect: GSM

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM Country of registration: US Application no.: 08/612934 Patent no.: 5862178

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

licences under the IPRs on terms and conditions which are 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: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: SG Application no.: 96122478

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: ΑU Application no.: 52633/96 Patent no.: 697256

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration:

BR

Application no.: 9604838.7

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

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

Company name: Nokia Corporation

GSM Project:

Title: PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH CA

Country of registration: Application no.:

2216315

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

96193827.7

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: **GSM**

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration:

Application no.:

96908945.7

EPO

ΑU

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.: 18802/99

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: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: NO Application no.: 960979

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA 2193379 Application 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: Nokia Corporation

GSM Project:

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: **EPO** Application no.:

96910043.7

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE 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

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:

Application no.: 98109501.6

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

licences under the IPRs on terms and conditions which are 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**

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH Title:

Country of registration: Application no.:

JΡ 8-530745

NO

HK

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.:

974705

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/930988 Patent no.: 5991716

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Notes:

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: US Application no.: 765067 Patent no.: 5930233

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: ΑU 5650696 708324 Application no.: Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 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**

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration:

US Application no.: 09/765067

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration:

Application no.: 9619046..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: GSM

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration: **EPO** Application no.: 96913557

Countries applicable: 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.

Nokia Corporation Company name:

GSM Project:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration: HK Application no.:

98101125,9

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: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: JP Application no.:

8533810 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: KR Application no.: 707574

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB Application no.: 9512284,2 Patent no.: 714752

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: FΙ Application no.: 952256 Patent no.: 98174

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 95195967

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: Nokia Corporation

CN

95195966.2

GSM Project: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Title: Country of registration:

Application no.:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **EPO** Application no.: 95932031

Countries applicable: 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:

GSM Project:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.: 971269

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: HK Application no.:

98100351.6

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JΡ

Application no.:

8-511420

Notes:

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

Country of registration: Application no.:

701980

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: SG Application no.: 9701460-9 Patent no.: 39174

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

US Application no.: 08/817963

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

US 8676023

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

licences under the IPRs on terms and conditions which are 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 IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: FΙ Application no.: 944488 Patent no.: 96558

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 enhancing data transmission

Country of registration: US Application no.: 08/800575 Patent no.: 6144676

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 IN A TDMA MOBILE COMMUNICATION SYSTEM Title:

Country of registration: Application no.:

CA 2200307

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: FΙ Application no.: 944487 Patent no.: 96557

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPΩ Application no.: 95932032

Countries applicable: 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

Project: GSM

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: FI **Application no.:** 971270

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: HK

Application no.: 98100325,5

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:

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.:

ration: JP 8-511421

GSM

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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
DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration:

KR 701981

Application no.: 70
Notes: T

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/817331

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US

Application no.: CPA 08/817331

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 TOMA RADIO SYSTEM

Country of registration: FI Application no.: 945540 Patent no.: 99076

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: AT

Application no.: A1926/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: ΑU Application no.: 39849/95 695635 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

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: ΑU Application no.: 35240/95 696802 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

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

Company name: Nokia Corporation

GSM Project:

Title: METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: CN

Application no.: 95193002,8

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: **GSM**

Title: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: **EPO** Application no.: 95303040

Countries applicable: AT, DE, 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.

Nokia Corporation Company name:

Project: **GSM**

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE Title:

Country of registration: IN

Application 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: Nokia Corporation

Project: **GSM**

Title: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE US

Country of registration:

Application no.: 09/255325

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

licences under the IPRs on terms and conditions which are 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: FΙ Application no.: 942191 Patent no.: 96468

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: ΑU Application no.: 24104/95 Patent no.: 682112

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.:

CN 95190411.6

Notes:

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

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

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

Company name: Nokia Corporation

Project:

GSM

EPO

Title:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: Application no.:

Countries applicable:

95918002,7 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**

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration: JΡ

Application no.:

7-529392

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

licences under the IPRs on terms and conditions which are 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 NO

Country of registration:

Application no.:

P960118

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

licences under the IPRs on terms and conditions which are 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: **GSM**

Project:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration:

Application no.:

US

08/591557

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

licences under the IPRs on terms and conditions which are 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 EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: US

Application no.: 08/591557CPA Patent no.: 5898925

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA 2200308

Application 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: Nokia Corporation

GSM Project:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: ΑU Application no.: 2410395 Patent no.: 688903

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: ΑIJ Application no.: 35239/95 Patent no.: 701594

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** Application no.: 95918001

Countries applicable:

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 Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Application no.:

7529391

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.

Company name: Nokia Corporation

Project: GSM

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.:

NO 964747

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: US Application no.: 08/737447 Patent no.: 6005857

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: FΙ Application no.: 942702 Patent no.: 98427

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Country of registration:

Application no.: 95108589,1

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: **Nokia Corporation**

Project: **GSM**

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM Title:

Country of registration: **EPO** Application no.: 95303825.4

Countries applicable: AT, CH, DE, FR, GB, IT, LI, NL, SE

CN

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Application no.: 658/MAS/95

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM Title:

Country of registration: JΡ Application no.: 7-140936

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ES Application no.: P9502237 Patent no.: 9502237

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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 HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.:

FΙ 942190

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration:

Application no.: 9600060-9

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

CN 95197341.X

DE

SF

Application 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: **Nokia Corporation**

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

Application no.: 19847679.5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: FΙ Application no.: 950097

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.: A1989/95

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU Application no.: 43927/96 Patent no.: 692036

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 96191381.9

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: Application no.:

DE 19543845

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 9514477

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: GB Application no.: 9600378.5 2296844 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

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: IT

Application no.: MI96A000017 1281596 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

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

Company name: Nokia Corporation

GSM Project:

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: JΡ Application no.: 8-522063

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FR Application no.: 9813451

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**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration: NL Application no.: 1002023 Patent no.: 1002023

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB Application 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:

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: US Application no.: 582915 Patent no.: 5729534

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

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

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

Company name: Nokia Corporation

FΙ

Project: **GSM**

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.:

950116 98586

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS

Country of registration: ΑU 43928/96 Application no.: Patent no.: 702765

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS CA

Country of registration:

Application no.: 2209715

Notes:

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

licences under the IPRs on terms and conditions which are 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 CN

Country of registration:

Application no.:

96191857..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.

Nokia Corporation Company name:

GSM Project:

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration:

EPO

96900336,7 Application no.: Countries applicable:

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**

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration: HK

Application 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: PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS

JΡ Country of registration:

Application no.:

8-521459

Notes:

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

Country of registration: Application no.:

NO 973177

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

SG Country of registration: Application no.: 9705557 Patent no.: 49522

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: US Application no.: 08/875464

Patent no.: 5970059

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

HK

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 98103081,7

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FΙ Application no.: 942038 Patent no.: 98426

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 9513774

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: GB Application no.: 9522534.8 Patent no.: 2295525

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

KR

Project: **GSM**

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration:

Application no.: 8-518298

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration:

Application no.: 97-703369

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

licences under the IPRs on terms and conditions which are 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 INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: NL Application no.: 1001744 Patent no.: 1001744

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: SE Application no.: 9504067-1 Patent no.: 9504067-1

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: Nokia Corporation

Project: **GSM**

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM Title:

Country of registration: US

Application no.: 08/836969

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ Application no.: 945817 Patent no.: 97187

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

licences under the IPRs on terms and conditions which are 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**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: ΑU Application no.: 41186/96 Patent no.: 699810

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: CA Application no.: 2207043

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: FΙ Application no.: 974094 105760 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,

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: 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:

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: DE

Application no.: 19543253,3

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

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: JP

Application no.: 8-517347 Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: NO

Application no.: 972629

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: SG Application no.: 9702660-3 Patent no.: 42544

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Title: Country of registration: US Application no.: 08/860426 Patent no.: 5966374

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: CA Application no.: 2317448

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: Application no.:

US 09/181518

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RU Application no.:

2000113226

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 2000-518526

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**

Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: IT

Application no.: M198A002311 Patent no.: 1303264

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: CN

Application no.: 95196707.X

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB Application no.: 9525966,9 Patent no.: 2297669

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:
Application no.:

US 00/510071

Application no.:

09/519971
The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 48332/96
Patent no.: 703855

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 951019
Patent no.: 100212

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US **Application no.:** 08/597845

Application no.: 08/597848 **Patent no.:** 5887266

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP
Application no.: 8-524688

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM Title:

FOR EFFECTING PAYMENTS

Country of registration:

Application no.: 96901820,9

Countries applicable: 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:

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM Title:

FOR EFFECTING PAYMENTS

Country of registration:

Application no.:

CN

EPO

96191948.5

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

GSM Project:

Title: METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration: ΑU 46247/96 Application no.: Patent no.: 696876

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM Title:

FOR EFFECTING PAYMENTS

Country of registration: FΙ Application no.: 950685 Patent no.: 99071

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

08/875652

Project: **GSM** METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Title:

Country of registration:

Application 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.

Nokia Corporation Company name:

Project:

GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

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

SE 9504541-5 506999

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 96192381,4

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

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: JP

Application no.: 8-523281

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Countries applicable: 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**

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: FR Application no.: 9514959 9514959 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

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: ES Application no.: 9502309 9502309 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

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: DE

Application no.:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: Notes:

Notes:

CH 03511/95

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: ΑU Application no.: 42618/96 Patent no.: 694928

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: Application no.: 950419 Patent no.: 99066

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

СН

Country of registration:

Application no.: 1707/98

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: NL Application no.: 1001927 Patent no.: 1001927

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Country of registration: CN

Application no.: 97193857.1 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,

Project:

Title: Method and device for voice activity detection and a communication device

Country of registration: Application no.: 08/763975 Patent no.: 5963901

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 device for voice activity detection and a communication device

Country of registration:

Application 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,

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

Company name: Nokia Corporation

GSM Project:

Title: Method and device for voice activity detection and a communication device

Country of registration: Application no.:

EPO 96118504.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 de-allocation of GPRS phycial channel

Country of registration: Application no.:

JP

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

98117408

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: AT Application no.: A1990/95 Patent no.: 408171 **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,

Project: GSM

Title: A method for enhancing data transmission

Country of registration: GB Application no.: 9817289.3 Patent no.: 2324937

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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 IFRS Temain ESSENTIA

Company name: Nokia Corporation

Project: GSM

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.:

MY PIGEODRAA

Notes:

PI9600844
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

FI 960752

pplication no.: 96075

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

9850012

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO

Country of registration: Application no.:

97902391.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: CA 2211095

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 me

A method for enhancing data transmission

Country of registration:

DE 10781580 8

Application no.: 19781589.8 Notes: The SIGNA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 in GPRS

Country of registration: NO Application no.: 20001284

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: FΙ Application no.: 951020 Patent no.: 100213

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: KR Application no.: 97-706298

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP Application no.: 527130/96

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IT

Application no.: TO96A000174 1285305 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

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: IN

Application 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: Nokia Corporation

Project: **GSM**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title: US

Country of registration:

Application no.: 08/913558

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

licences under the IPRs on terms and conditions which are 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**

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: SG Application no.: 9705652-7 Patent no.: 50110

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: NO Application no.: 974099

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: KR

Application no.: 706020/1997

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

8-526637

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

HK

JΡ

Application no.:

98102849,2

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: Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: Application no.:

MX97/06885

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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** 94306531,8 Application no.:

AT, DE, ES, FR, GB, IT, NL, SE 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**

A method for enhancing data transmission Title:

Country of registration: ΑU Application no.: 16052/97 Patent no.: 719988

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:

Method for locking to the user's card in a portable radio telephone

Country of registration: Application no.: 873309 77550 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: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: DK Application no.: 884219 Patent no.: 169158

Countries applicable: 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

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: EPO 88306554
Patent no.: 301740
Countries applicable: 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

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: JP Application no.: 88187037 Patent no.: 2786205

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: NO
Application no.: 883330
Patent no.: 173679

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PT
Application no.: 88126
Patent no.: 88126

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US
Application no.: 221079
Patent no.: 4868846

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: FI Application no.: 902504 Patent no.: 88843

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 multi-fonction telephone apparatus

Country of registration: EPO Application no.: 91304533,2 Patent no.: 458563

Countries applicable: 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.

Company name: Nokia Corporation

Project: GSM

Title: Virtual packet channel over cellular network

Country of registration: FI
Application no.: 933894
Patent no.: 97517

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR Application no.: 705372

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EE Application no.: P9400344

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: MX

Application no.: 975997

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

JP 6-213046

Application no.: 6-213

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 301340

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

FΙ Country of registration: Application no.: 941652 Patent no.: 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

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

Company name: **Nokia Corporation**

GSM Project:

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM Country of registration: ΑU Application no.: 2778795 Patent no.: 694242

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

licences under the IPRs on terms and conditions which are 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**

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration:

CN Application no.: 95192480.X

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

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

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

Company name: Nokia Corporation

Project: **GSM**

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: **EPO** Application no.: 95915211,7

Countries applicable:

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: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM HK

Country of registration: Application no.:

98112522,5

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: **GSM**

Title: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

> **SYSTEM** JΡ

Country of registration: Application no.:

7526100

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

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

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

Company name: Nokia Corporation

Project: **GSM**

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: US Application no.: 718512 Patent no.: 5889770

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Guaranteed service selection

Country of registration: CA **Application no.:** 2283264

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 95100020,9

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 980340
Patent no.: 106424

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

Application no.: 2000-512369

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 973681
Patent no.: 106088

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Data transmission method in GPRS

Country of registration: Application no.:

EPO 98943921.1

Notes: 98943921.

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FR

Country of registration: Application no.:

9602957

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: Application no.: 9650035 Patent no.: 9650035

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **EPO** Application no.: 96903854,6 Patent no.: 516621

Countries applicable: DE, ES, 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

GSM Project:

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: DE

Application no.: 19609170,5

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: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: CN

Application no.: 96193196.5

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: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: CA Application no.: 2213740

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 CN

Country of registration:

Application no.: 98809034.1

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.

Nokia Corporation Company name:

Project: **GSM** Title:

Data transmission method in GPRS

ΑIJ

Country of registration: Application no.:

91647/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: JΡ

Application no.:

523852/96

Notes:

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

Application no.:

Notes:

Improving user data packet transmission in inter SGSN routing area update in GPRS JΡ

2000-531967

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

Notes:

GSM

Improving user data packet transmission in inter SGSN routing area update in GPRS **EPO**

99903704.7

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

Notes:

GSM

Improving user data packet transmission in inter SGSN routing area update in GPRS

CN

99802910.6

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: Nokia Corporation

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

BR

PI9607144.3 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

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

Nokia Corporation Company name:

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: ΑU Application no.: 47811/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: AR

Application no.: P960101681

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: US Application no.: 509525 5701392 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

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

Company name: Nokia Corporation

GSM Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: **7**A Application no.: 96/0852 Patent no.: 96/0852

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

licences under the IPRs on terms and conditions which are 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

Country of registration:

SE Application no.: 9600437-9

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

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

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

Company name: Nokia Corporation

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

97114804 Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

RU

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: 973472

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: MY

Application 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.

Project:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

09/638463

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration:

Application no.: ETSI Deliverable: ΗK 01101873.9

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.

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: NO Application no.: 19995452

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

Project:

GSM

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME US

Country of registration: Application no.: ETSI Deliverable:

09/423373 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.

Nokia Corporation Company name:

Project: **GSM**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: FΙ Application no.: 972724 Patent no.: 104135

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

RADIO NETWORK

Country of registration: US

Application no.:

08/974249

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

Project: GSM

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration: Application no.:

RU 99112946

Notes:

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

Application no.: 10-523228

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

EPO 97952791,8

Countries applicable:

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 Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A RADIO NETWORK INCORPORATING THE SAME

Country of registration:

Application no.: PCT/EP97/02400

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**

Project: **GSM**

METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE Title:

COMMUNICATION NETWORK AND A MOBILE STATION

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

FΙ 956036 101670

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**

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS Title:

Country of registration: CA Application no.: 2219323

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,

Project:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: CN

Application no.: 97182167.4 **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 IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration: JP Application no.: 11-509387

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**

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration: US Application no.: 09/097137 **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**

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration: PCT

Application no.: PCT/FI98/00524 **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: A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK CN

Country of registration:

Application no.: 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

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: ΑU Application no.: 53248/98 Patent no.: 728514 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: CA
Application no.: 2276363
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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: CN

Application no.: 98801656.7 **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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: EPO 98900083.1 Countries applicable: HK 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: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: AU

 Application no.:
 AU 54016/96

 Patent no.:
 709150

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

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration:GBApplication no.:9711828.5Patent no.:2313989ETSI 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

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Title: MENETELM
Country of registration: CN
Application no.: 99814390.1
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: SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC

Country of registration:EPOApplication no.:97301741.1ETSI 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: SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC

Country of registration: GB
Application no.: 9606753.3
Patent no.: 2311699
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: SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC

Country of registration: US

Application no.: 08/821537, 60/014338

Patent no.: 6170073 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: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: AU
Application no.: 23703/97
Patent no.: 724808
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

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: CN
Application no.: 97114807.4
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

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: DE
Application no.: 19723659.6
ETSI Deliverable: TS04.64
Notes: The SIGNA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:ESApplication no.:9701249Patent no.:9701249ETSI 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

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: JP
Application no.: 10-548716
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

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: FR
Application no.: 9707028
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

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: EPO
Application no.: 97923049.7
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

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: IN

Application no.: 1162/MAS/97 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

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: IT

Application no.: MI97A/001335
Patent no.: 1292098
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: JP Application no.: 9-149370 **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**

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: NL 1006252 Application no.: **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: SF Application no.: 9702172-9 **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**

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: US Application no.: 08/868914 Patent no.: 5987137 **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.: PCT/FI97/00350

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

GSM Project:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: AU Application no.: 28959/97 **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,

Project: **GSM**

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: JΡ

Application no.: 10-529666 **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**

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: Application no.: 962352 **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**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: 973241

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FΙ Application no.: 970035

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

Country of registration: CN

Application no.:

99800086.8

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**

Title: DATA TRANSMISSION METHOD

Country of registration: CN

Application no.: 95196747.9

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,

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: CN

Application no.:

96193095

Notes:

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

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

Company name: Nokia Corporation

Project: **GSM**

Title:

CA 2232792

Country of registration: Application no.:

Notes:

MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.:

19604273.9

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: FΙ Application no.: 980185 Patent no.: 106517

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**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: **EPO**

Application no.:

96900816,8

Countries applicable:

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 Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: PCT

Application no.: PCT/FI98/00762 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US Application no.: 438703 5699482 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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: Application no.: 09/509308 **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**

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: EPO Application no.: 99900903.8

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.

Company name: **Nokia Corporation**

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: MY Application no.: PI9900302

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**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH GB

Country of registration:

Application no.:

9602391.6

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: US Application no.: 09/381334

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**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: HK

Application no.: 98101406.9

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

Project:

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: PCT

Application no.: PCT/FI99/00057

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.

Company name: Nokia Corporation

Project: **GSM**

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: Application no.: 99/0669 Patent no.: 99/0669

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**

Title: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: BR

Application no.: PI9916229-6 **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: **GSM**

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: CA Application no.: 2352313 **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**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: JΡ Application no.: 11-538957

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** Title:

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: HK Application no.: 01102154.7 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,

Project:

Title: METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE

COMMUNICATION NETWORK AND A MOBILE STATION

EPO Country of registration:

Application no.: 96660094.2

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

GSM Project: Title:

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: MY Application no.: ETSI Deliverable:

PI9706220 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: PΗ Application no.: I-58910 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: SG Application no.: 9902730-2 **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: US Application no.: 09/331765 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: PCT

Application no.: PCT/FI98/00004

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,

Project:

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: CA Application no.: 2304172 **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**

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: Application no.:

98810507.1 **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**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: CA Application no.: 2284718

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**

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: FΙ Application no.: 973806 Patent no.: 106509 **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,

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**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: IN

Application no.: 004/MAS/98

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

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

Country of registration: JP

2000-514433

Application no.: 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

Project:

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: TH Application no.: 039898 **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.

Nokia Corporation Company name:

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration: BR

9713095-6

Application no.:

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

licences under the IPRs on terms and conditions which are 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**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

Country of registration: Application no.: 86114332 Patent no.: 130601 **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

Proiect: GSM

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: US Application no.: 508801 5754976 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

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: AR Application no.: 335305

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU

44796/96

Application no.:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

9607026,9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: Application no.:

CA 2210765

Notes:

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

Country of registration: EPO
Application no.: 98946489.6
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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: U

Application no.: 09/965303, 09/371332, 031047; 031321

Patent no.: 5960389

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 FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: MI99A001858
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: JP

Application no.: 11-247569

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: KR

 Application no.:
 2001-7002028

 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:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: US Application no.: 09/387369

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**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: PCT

PCT/FI99/00706 Application no.: Patent no.: WO 00/13448 **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: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration: Application no.:

970105360

AR

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**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration:

Application no.: PI9705747.9 **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:

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: CN Application no.: 97126203.9 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

GSM Project:

Title: METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: US

Application no.: 08/763970, 09/827593

Patent no.: 6249584

TS03.20, 02.07, 02.09 **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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: JP Application no.: 9-313957

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**

Proiect: **GSM**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: FΙ Application no.: 981869 Patent no: 105635

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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: ΑU Application no.: 29001/97 Patent no.: 718787 **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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: CA Application no.: 2227061 **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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: CN Application no.: 97190580.0 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

GSM Project: Title:

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: EPO Application no.: 97923109.9 **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,

Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: Application no.: 962128 Patent no.: 103170 **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

GSM Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration:

IN Application no.: 1263/MAS/97 **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: JΡ Application no.: 9-541667 **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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: РΗ Application no.: I-57073 03.81, TS09.02 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **EPO** Application no.: 97309213.3 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**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: **EPO** Application no.: 98924337,3

Countries applicable: 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 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 CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US
Application no.: 927528
Patent no.: 5444816

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO Application no.: 90915956,8 Patent no.: 516621

Countries applicable: AU, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, 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: GSM

Title: DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: CA
Application no.: 2010830
Patent no.: 2010930

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

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

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

Company name: Nokia Corporation

Project: GSM

Title: VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO

Country of registration: JP
Application no.: 84973/1988
Patent no.: 2887286

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

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

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

Company name: Nokia Corporation

Project: GSM

Title: VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO

Country of registration: EPO
Application no.: 92108904,1
Patent no.: 516621
Countries applicable: DE, 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

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

Company name: Nokia Corporation

Project:

GSM

Title: VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO

Country of registration: CA
Patent no.: 1336454

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

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

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

Company name: Nokia Corporation

Project: GSM

Title: VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO

Country of registration: US
Application no.: 35615
Patent no.: 4969192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: Application no.:

US 09/098832

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES GB

Country of registration:

Application no.: 9920153.5

TS 45.003, TS06.93

JΡ

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration:

Application no.: 11-503836

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FR Application no.:

9910952

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**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: CN

Application no.: 98806506,1

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: Nokia Corporation

Project: **GSM**

Title: TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: AU Application no.:

76563/98

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/FI99/00012 **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

Country of registration: ZΑ Application no.. 99/0213 Patent no.: 99/0213

TS 23.060, TS 29.061 **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 FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: ΑIJ Application no.: 54251/99 **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

GSM Project:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration:

Application no.: PI9912994-9 **ETSI Deliverable:**

BR

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**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: CN

Application no.: 99810506.6 **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**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: DE

Application no.: 19941331.2 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.

Company name: Nokia Corporation

Project: GSM

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: **PCT**

Application no.: PCT/FI97/00298 **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: **GSM**

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: RU

Application no.: PCT/FI98/00468

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

SPEECH CODING Title:

Country of registration: Application no.:

FΙ 980532

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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: TH Application no.: 037900 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**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: CN

Application no.: PCT/FI00/00036 **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: **EPO** Application no.: 00901634.6 **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: FΙ Application no.: 990102 **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,

Project: **GSM**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: JΡ

Application no.: 2000-595452 **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.

Company name: Nokia Corporation

Project: **GSM**

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: US Application no.: 09/903863 **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.

Company name: **Nokia Corporation**

Project: **GSM**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: PCT

PCT/FI00/00036 Application no.: **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.

Company name: Nokia Corporation Project: **GSM** Title: SPEECH CODING

Country of registration: BR

Application no.: PI9907665-9 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: BR

Application no.: PCT/FI00/00036 **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.

Company name: Nokia Corporation

Project: **GSM**

SPEECH CODING Title: Country of registration: FPO

Application no.: 99903710.4 Countries applicable: DE, ES, FR, GB, IT, NL, SE

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: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: AU
Application no.: 22965/00
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: SPEECH CODING
Country of registration: HK

Application no.: 01105589.5

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: IN

Application no.: PCT/Fl99/00112 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: JP

Application no.: JP 2000-536069
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: KR

 Application no.:
 2000-7008992

 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: US

Application no.: 09/263439
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: PCT Application no.: PCT/FI99/00112

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: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: FΙ Application no.: 20000524 **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.

Company name: **Nokia Corporation**

Project: **GSM**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title:

Country of registration: US Application no.: 09/797115 **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

Country of registration: **PCT**

Application no.: PCT/FI01/00222 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: CN Application no.: 99803763.X **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: **GSM**

SMS IN GPRS Title: Country of registration: TW

Application no.: 86110727 Patent no.: 098463

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:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: FR Application no.: 9601426 Patent no.: 2730336

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: SMS IN GPRS Title:

Country of registration: CA Application no.: 2257189

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

GSM Project:

Title: SMS IN GPRS

Country of registration: CN Application no.: 98800595.6

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 Proiect: GSM SMS IN GPRS Title: Country of registration: **EPO** Application no.: 98912536.4

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**

SMS IN GPRS Title:

Country of registration: FΙ Application no.: 971381 Patent no.: 105873

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: IN

Application no.:

708/MAS/98

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,

Nokia Corporation Company name:

Project: **GSM**

Title: SMS IN GPRS

Country of registration: JΡ

Application no.: 10-541201

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: SMS IN GPRS

Country of registration: Application no.:

MY PI9801435

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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: CA

PCT/FI00/00036 Application no.:

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.

Company name: Nokia Corporation Project: **GSM**

SMS IN GPRS Title:

Country of registration: TΗ Application no.: 038940

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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: US

Application no.: 08/983318, CPA08/983318

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** SMS IN GPRS Title:

Country of registration: US

Application no.: 09/194652 **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,

Nokia Corporation Company name:

Project: **GSM**

SMS IN GPRS Title: Country of registration: PCT

Application no.: PCT/FI98/00294

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: ZΑ Application no.: 98/2684 Patent no.: 98/2684

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**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: CN

Application no.: 99812676.4 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.

Company name: Nokia Corporation

Project: **GSM**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: **EPO** 99954027.1 Application no.: **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**

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: Application no.: 982331 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:

Country of registration: JP

Application no.: 2000-579018 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,

Project:

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: US

Application no.: 09/830816 **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.

Company name: Nokia Corporation

Project: **GSM**

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: **PCT**

Application no.: PCT/FI99/00894 **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.

Company name: Nokia Corporation

Project: **GSM**

SMS IN GPRS Title:

Country of registration: SG Application no.: 9806032-0

Patent no.: 60753

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**

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK Title:

Country of registration: CA Application no.: 2301674

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**

MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN Title:

Country of registration: Application no.: 990590 Patent no.: 106498 **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: **PCT**

Application no.: PCT/FI95/00674

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,

Project: GSM

Title: SPEECH CODING

Country of registration:AUApplication no.:64032/98ETSI 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: CN

 Application no.:
 98804901.5

 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: EPO
Application no.: 98104785.5
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: FI
Application no.: 980502
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: IN

Application no.: 876/MAS/98 **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: JP

Country of registration: JP
Application no.: 113808/1998
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: KR

 Application no.:
 99-7009481

 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: DATA TRANSMISSION METHOD

Country of registration: SE Application no.: 9504420-2 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: SPEECH CODING

Country of registration: PCT

Application no.: PCT/FI98/00229 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: DATA TRANSMISSION METHOD

Country of registration: JP
Application no.: 08-518306
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: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: CN Application no.: 99801026.X

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: A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration: Application no.:

AU 65644/98

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration: DE

Application no.: 19648077,9 Patent no.: 19648077

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 US

Country of registration: Application no.: 08/952047

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: TH Application no.: 35812

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PΗ

Application no.: 55596

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

98912514.1 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: Nokia Corporation

GSM Project:

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration:

JΡ

EPO

9-531490 Application 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.

Nokia Corporation Company name:

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: IN

Application no.: 379/MAS/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: HK

Application no.: 98110176,8

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: GSM

Title: SPEECH CODING

Country of registration: US

Application no.: 09/073697
Patent no.: 6199035

ETSI Deliverable: TS26.190, 06.90
Notes: The SIGNATOR'

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RÚ
Application no.: 97119934
Patent no.: 2153238
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: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH FS

Country of registration:

Application no.: 9650025

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: US
Application no.: 09/527435
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 SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: PCT

Application no.: PCT/FI00/00199
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: UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF

Country of registration: FI
Application no.: 20000779
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: UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF

Country of registration: US
Application no.: 09/824161
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: GSN

Title: UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF

Country of registration: PCT

Application no.: PCT/FI01/00299

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: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: AU
Application no.: 58218/96
Patent no.: 716363
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: CN Application no.: CN 96195981.9

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
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,

Project:

Title: DATA TRANSMISSION METHOD

Country of registration: US Application no.: 08/849504 Patent no.: 6122498 **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: **GSM**

Implementation of mutual rate adaptations in data services between GSM and DECT

Title: Country of registration: JΡ Application no.: 8-136887 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**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration: JΡ

10-541193 Application 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,

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: US Application no.: 08/659590 Patent no.: 6081534 **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:

Application no.: PCT/FI96/00305

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**

A method for reducing the number of GSM bearer services Title:

Country of registration: US Application no.:

09/043702

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: CH
Application no.: 3510/95
Patent no.: 691647
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: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: IT

Application no.: UD96A000012

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: DE Application no.: 19545767.6 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: DATA TRANSMISSION METHOD

Country of registration: FI
Application no.: 945844
Patent no.: 104870
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: DATA TRANSMISSION METHOD

Country of registration: FR
Application no.: 9514476
Patent no.: 9514476
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: DATA TRANSMISSION METHOD

Country of registration: GB
Application no.: 9525018.9
Patent no.: 2296161
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,

Nokia Corporation Company name:

Project: **GSM**

Title: DATA TRANSMISSION METHOD

Country of registration: IT

Application no.: MI95A002579 Patent no.: 1277976 **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: **GSM**

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: FΙ Application no.: 952813 Patent no.: 98176 **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

GSM Project:

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: NΖ Application no.: 318789 318789 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

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.:

9-516310

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IT

Application no.: MI96/A002156 Patent no.: 1284978

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: GB Application no.: 9622016,5 Patent no.: 2306858

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration:

Notes:

FR 9612754

Application 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

Project:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration:

Application no.:

19641084,3

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: Nokia Corporation

Project: **GSM** Title:

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: Application no.:

CN 96198961

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU Application no.: 69906/96 Patent no.: 702769

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 AT

Country of registration:

Application no.:

A1804/96

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

licences under the IPRs on terms and conditions which are in accordance with 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**

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION FΙ

Country of registration:

Application no.:

955030

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **EPO**

Application no.:

97906195.9

Countries applicable:

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.

Nokia Corporation Company name:

Project: **GSM**

Title: A method for reducing the number of GSM bearer services

Country of registration: NZ Application no.: 318789 Patent no.: 318789

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 DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

SE

NO

JP

Country of registration:

Application no.: 9603731-2

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

308

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.: 981333

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 09-513159

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

ΗK Application no.:

99100294,5

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: GSM

MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL Title:

Country of registration: Application no.:

EPO 96931826

Countries applicable:

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.

Nokia Corporation Company name:

Project:

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

> COMBINATIONS FOR FAST CODING OF SPEECH IN

Country of registration:

Application no.:

198CAL96

Notes:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 64018/98 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Country of registration: CN

98804343.2

Application 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:

Title: Method for de-allocation of GPRS phycial channel

Country of registration: Application no.:

98909513.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: FΙ Application no.: 971697 Patent no.: 105136

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: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: CN Application no.: 96197188.6

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 09/043702

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration:

Application no.: 67316/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Title: Country of registration: **EPO** Application no.: 00912686.3 **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**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration: NO

Application 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: **GSM**

Title: PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: Application no.:

US 09/171968

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 reducing the number of GSM bearer services

Country of registration: ΑU Application no.: 70865/96 Patent no.: 715225

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 reducing the number of GSM bearer services

Country of registration: CA Application no.: 2232792

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 reducing the number of GSM bearer services

Country of registration:

Application no.:

96197188.6

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

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM CN

CN

Country of registration:

Application no.: 97190139.2

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: Nokia Corporation

Project: **GSM**

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: **EPO** Application no.: 99932900.6

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,

Project: GSM

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: FI
Application no.: 981485
Patent no.: 106512

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: JP

Application no.: 2000-557636

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: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: NL
Application no.: 1004295
Patent no.: 1004295

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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/Fl99/00564

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: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: RU

Application no.: PCT/FI96/00505

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: CN

Application no.: 98800380.5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 reducing the number of GSM bearer services

Country of registration: **EPO** Application no.: 96931826.0 HK

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: **GSM**

Title: A method for reducing the number of GSM bearer services

Country of registration: Application no.: 954545 Patent no.: 101337

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:

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: CA

Application no.: 2219256

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

JΡ Country of registration:

Application no.:

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 reducing the number of GSM bearer services

Country of registration: Application no.:

981333

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU Application no.: 20967/97

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: US

Application no.: 08/724909 **Patent no.:** 5966378

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: FI
Application no.: 971319
Patent no.: 104874

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: US 09/510893

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: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: BR
Application no.: 9913422-5
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: CN **Application no.:** 99814426.6

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: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: GB
Application no.: 0029271.4
ETSI Deliverable: TS04.14
Notes: The SIGNA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: JP

Application no.: 2000-552855 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

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: US
Application no.: 09/325617
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

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: PCT

Application no.: PCT/FI99/00481

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

Title: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration: CN
Application no.: 99815352.4
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: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration: EPO
Application no.: 99969235.3
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: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration: GB
Application no.: 9828875.6
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:

Application no.: PCT/EP99/10439

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: **GSM**

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: ES Application no.: 200050078 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.

Company name: **Nokia Corporation**

Project: **GSM**

MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER Title:

Country of registration: PCT

Application no.: PCT/EP99/10439

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**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: **EPO** Application no.: 99929361.6 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**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: CN Application no.: 99810990.8 **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: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: **EPO** Application no.: 99946191.6 **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:

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: Application no.: 982000 **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: **GSM**

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration:

IN/PCT/2001/00346 Application no.:

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: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: JP

Application no.: 2000-570994 **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

Application no.: 2001-7003007 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: RU Application no.: 2001110093 **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: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: US Application no.: 09/396853 **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: PCT

Application no.: PCT/FI99/00760

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 SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: JF

Application no.: 2000-605421 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: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration: US
Application no.: 09/473789
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: A NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS

Country of registration:
Application no.:

ETSI Deliverable:

GB
9922217.6

TS04.18, TS05.08

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which 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: GSM

Title: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: FI
Application no.: 982726
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: JP Application no.: 2000-588

Application no.: 2000-588985 **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:

Title: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration:

Application no.: 7007419/2001 TR04.60 **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: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

Country of registration: Application no.: 09/831689 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: **GSM**

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: PCT

PCT/FI99/01048 Application no.:

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: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: CN

Application no.: PCT/FI00/00179 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:

Country of registration: **EPO** Application no.: 00909387.3 **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.

Company name: Nokia Corporation

Project: **GSM**

Title:

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: FΙ Application no.: 990511 **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: GSM

Title: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: JP

Application no.: 2000-604637 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

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

| Country of registration: | Fl | Application no.: | 981267 | Patent no.: | 106834 | 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

Title: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: PCT

Application no.: PCT/FI00/00179
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

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: EPO **Application no.:** 99950791.6

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: A NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS

Country of registration: PC

Application no.: PCT/EP00/09206 ETSI Deliverable: TS04.18, TS05.08

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB
Application no.: 9922204.4
ETSI Deliverable: TS05.08

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: ALTERNATIVE NEIGHBOUR REPORTING PROPOSAL

Country of registration:

Application no.: PCT/IB00/01316

ETSI Deliverable: 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.

Company name: Nokia Corporation

Project: **GSM**

Title: IPV6 ADDRESS ACQUISITION IN GPRS

PCT

Country of registration: FΙ Application no.: 20000121 **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.

Company name: **Nokia Corporation**

Project: **GSM**

IPV6 ADDRESS ACQUISITION IN GPRS Title:

Country of registration: US Application no.: 09/765190 **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**

IPV6 ADDRESS ACQUISITION IN GPRS Title:

Country of registration: **PCT**

Application no.: PCT/FI01/00034 **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

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: ΑU Application no.: 46197/99 **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.

Company name: Nokia Corporation

Project: **GSM**

Title:

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: CH Application no.: 2412/00 **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 AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: CN Application no.: 99809347.5 **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.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: DE Application no.: 19983271.4 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.

Company name: **Nokia Corporation**

Project: **GSM**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

Country of registration: US Application no.: 09/914953 **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**

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: FΙ Application no.: 990390 Patent no.: 107862 **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**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: Application no.: 039370 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**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: IN Application no.:

1942/MAS/97

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,

Project:

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: Application no.: 963677 **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.

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

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: **GSM**

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS Title:

Country of registration: PCT

Application no.: PCT/FI96/00225 **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**

MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN Title:

Country of registration: **EPO** Application no.: 99963616.0 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

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS Title:

Country of registration: US Application no.: 08/945387 Patent no.: 6240076

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**

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS Title:

Country of registration: JP Application no.: 8-532200

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: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: FI
Application no.: 951971
Patent no.: 101114

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

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: US
Application no.: 09/254890
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

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: PCT
Application no.: PCT/FI97/00552

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

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN
Application no.: 98808312.4
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: METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration: FI
Application no.: 972604
Patent no.: 105251

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: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: IN

Application no.: IN/PCT/2001/00527
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: MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: CN
Application no.: 00805040.6
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
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

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: US
Application no.: 09/506.993
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

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: JP

Application no.: 2000-601868
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

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: CN

Application no.: 96193504.9

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

Title: METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration: EPO 98304790.3 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,

Nokia Corporation Company name:

Project:

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: Application no.: 982251 Patent no.: 105312

TS05.08, TR04.60, TS05.02 **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: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: **EPO** Application no.: 00905105.3 **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**

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: JP

Application no.: 2000-577850

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: **GSM**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title:

Country of registration: RU Application no.: 2001113284

TS05.08, TR04.60, TS05.02 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: US Application no.: 09/419171

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:

Country of registration: PCT

PCT/FI99/00854

Application no.:

TS05.08, TR04.60, TS05.02

ETSI Deliverable:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: **GSN**

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: CN Application no.: 00804208.X **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.

Company name: Nokia Corporation

Project: **GSM**

ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS Title:

Country of registration: **EPO** Application no.: 96910991.7

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: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: CA

Patent no.: 1 157 5634

Countries applicable: CA

Company name: NTT Project: **GSM**

Title: Speech Coding Method and Apparatus for the same

Country of registration: US Application no.: 08/082 103 Countries applicable: US

Company name: NTT Project: **GSM**

Title: Sound Synthesizer US

Country of registration: Patent no.: 4 393 272 Countries applicable: US

Company name: NTT Project: **GSM**

Title: All-pole Digital Filter

Country of registration: JΡ

JP 63 - 32288 Patent no.:

Countries applicable: JP

Company name: NTT Project: **GSM**

Title: Method and Apparatus for Multiplexed Vector Quantization

Country of registration: .IP Patent no.: 2 061 805 Countries applicable: JΡ

Company name: NTT

Project: **GSM** Title: Method and Apparatus for Multiplexed Vector Quantization

Country of registration: EP 0 314 018 Patent no.: GB, DE, FR, CH Countries applicable:

Company name: NTT Project: GSM

Method and Apparatus for Multiplexed Vector Quantization Title:

Country of registration: CA Patent no.: 1 311 060 Countries applicable: CA

Company name: NTT Project: GSM

Title: Method and Apparatus for Multiplexed Vector Quantization

Country of registration: US
Patent no.: 4 992 508
Countries applicable: US

Countries applicable: US

Company name: NTT **Project:** GSM

Title: Speech Coding Method and Apparatus for the same

Country of registration: EPO

Application no.: EP 96202584.7 (Divided out of EP 93401656.9)

Countries applicable: DE, FR, GB, IT

Company name: NTT Project: GSM

Title: Sound Synthesizer

Country of registration: GB
Patent no.: 2 131 659
Countries applicable: GB

Company name: NTT Project: GSM

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

Country of registration: EPO EP 0 514 912

Countries applicable: GB, DE, FR

Company name: NTT Project: GSM

Title: Speech Coding-Decoding Method

Country of registration: JP

Patent no.: JP3 - 117646

Countries applicable: JP

Company name: NTT **Project:** GSM

Title: Sound Synthesizer

Country of registration: DE 3 037 276
Countries applicable: DE

Company name: NTT **Project:** GSM

Title: Speech Coding Method and Apparatus for the same

Country of registration: EPO EP 93401656.9 Countries applicable: DE, FR, GB, IT

Company name: NTT Project: GSM

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

Country of registration: US
Patent no.: 5 396 576
Countries applicable: US

Company name: NTT Project: GSM

Title: Sound Synthesizer

Country of registration: SE
Patent no.: 8 006 850
Countries applicable: SE

Company name: NTT

Project: GSM
Title: Sound Synthesizer
Country of registration: NI

Country of registration: NL Patent no.: 8 005 449 Countries applicable: NL

Company name: NTT Project: GSM

Title: Sound Synthesizer

Country of registration: GB
Patent no.: GB
2 059 726
Countries applicable: GB

Company name: NTT Project: GSM

Title: Sound Synthesizer

Country of registration: FR
Patent no.: 2 766 828
Countries applicable: FR

Company name: NTT **Project:** GSM

Title: Encoding and Decoding Method for Speech Excitation Signals

Country of registration: JP

Patent no.: JP3 - 167124

Countries applicable: JP

Company name: Omnipoint Project: GSM

Title: Multipulse LPC Speech Processing Arrangement

Country of registration: GB
Patent no.: 0 175 752

Countries applicable: GB
Notes: AT8

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: Philips
Project: GSM
Country of registration: DE

Patent no.: DE-PS 32 09 381

Company name: Philips Project: GSM

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys.

Country of registration: EPO
Application no.: 83201766.9
Patent no.: EP 0 111 971 B1

Company name: Philips
Project: GSM
Country of registration: DE

Patent no.: DE-PS 34 10 937

Company name: Philips Project: GSM

Title: Multi-pulse excitation linear-predictive speech coder

Country of registration: EPO 86200434.8
Patent no.: EP 0 195 487 B1

Company name: Philips
Project: GSM

Title: Dienstintegriertes Funkübertragungssystem

Country of registration: EPO 86200724.2 Patent no.: EP 0 201 126 B1

Company name: Philips
Project: GSM
Country of registration: EPO
Application no.: 87200545.9
Patent no.: EP 0 240 073 B1

Company name: Philips
Project: GSM

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: EPO
Application no.: 83201765.1
Patent no.: EP 0 111 970 B1

Company name: Philips Project: GSM

Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen

Funkstation eines Funkübertragungs

Country of registration: EPO 83201767.7 Patent no.: EP 0 111 972 B1

Company name: Philips Project: GSM

Title: Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation

bestehenden Funkverbindung

Country of registration: EPO 83201768.5
Patent no.: EP 0 111 973 B1

Company name: Philips Project: GSM

Title: Procédé pour reconnaître l'utilisation illicite d'une identification

Country of registration: FR
Application no.: 8504296
Patent no.: FR 256 184 1
Countries applicable: FR

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

Company name: Philips
Project: GSM

Title: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen

Country of registration: EPO 86201267.1 Patent no.: EP 0 210 698

Company name: Philips Project: GSM

Title: Information transmission system

Country of registration: GB
Application no.: 8008510
Patent no.: GB 2063011
Countries applicable: GB

Company name: Philips
Project: GSM

Title: Multiple-access communications system

Country of registration: EPO 84201107.4
Patent no.: EP 0 134 057

Company name: Philips Project: GSM

Title: Improvements in or relating to Digital Filters

Country of registration: GB 8104155
Patent no.: GB 2069799
Countries applicable: GB

Company name: Philips Project: GSM

Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems

Country of registration: EPO 82107529.8 Patent no.: EP 0 073 014 B1

Company name: Robert Bosch GmbH

Project:

Title: Data transmission method especially in GSM communication system

Country of registration:

Application no.: 97119761.1

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**

Title: Electronic crypto-memory module

Country of registration: DE Patent no.: 5395/84 Countries applicable: CH **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.

Robert Bosch GmbH Company name:

Project: **GSM**

Title: Method for decoding binary signals

Country of registration:

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.

Company name: Robert Bosch GmbH

Project:

Data transmission method especially in GSM communication system Title:

Country of registration: DE Application no.: 19544367.5 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.

Company name: Robert Bosch GmbH

Project: **GSM**

Title: Data transmission method especially in GSM communication system

Country of registration: DE Application no.: 19650141.5 Countries applicable: DF **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: **GSM** Title:

Method for decoding binary signals

Country of registration: DF 925170 Application no.: Countries applicable: FΙ

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:

Title: Data transmission method especially in GSM communication system

Country of registration: DE Application 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

Company name: Robert Bosch GmbH

Project: GSM

Title: Data transmission method especially in GSM communication system

Country of registration: DE

Patent no.: 520047/97 Countries applicable: JP 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: GSM

Title: Electronic crypto-memory module

Country of registration: DE
Patent no.: 3340582
Countries applicable: DE
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

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

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: GSM

Title: Data transmission method especially in GSM communication system

Country of registration: DE
Application no.: 19650140.7
Countries applicable: DE
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: GSM

Title: Electronic crypto-memory module

Country of registration: DE 844486
Countries applicable: NO 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

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.: 68155
Countries applicable: US
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: GSM

Title: Data transmission method

Country of registration: DE 3537105
Countries applicable: DE

ETSI Deliverable: GSM 04.06, GSM 05.02, 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

Company name: Robert Bosch GmbH

Project:

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: Patent no.:

4136147

DE

Countries applicable:

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: Robert Bosch GmbH

Project:

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: Patent no.:

ĎΕ 106164

Countries applicable:

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.

Robert Bosch GmbH Company name:

Project: **GSM**

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: ĎΕ Application no.: 292374/92 Countries applicable: 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

Country of registration: Patent no.:

DE 5390216

Countries applicable:

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: Robert Bosch GmbH

Project: **GSM**

Synchronisation method for mobile telephone of GSM standard with beginning, normal and end Title:

synchronisation

Country of registration:

Patent no.: 540808

AT, DE, DK, ES, FR, GB, IT, NL, SE 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

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:

Application no.: 96934415.9

Countries applicable: BE, CH, DE, 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: **GSM**

Method for decoding binary signals Title:

Country of registration: DF Patent no.: 4137609

Countries applicable: DE

ETSI Deliverable:

GSM 06.21, V5.0.1

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

Project: **GSM** Country of registration: FR Patent no.: 97/9479

Countries applicable: ZΑ

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** Country of registration: FR 11-518753 Patent no.: Countries applicable: JΡ

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: 09/18/98.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

60/059,382 Patent no.:

Countries applicable:

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: 09/19/97.

Company name: Schlumberger Systèmes

Project:

GSM Country of registration: FR 09/156.371 Patent no.: US

Countries applicable:

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: 09/17/98.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

Patent no.:

Countries applicable:

Notes:

60/050,631 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: 06/20/97.

Project: Country of registration:

FR 08/932,270

GSM

Patent no.: Countries applicable:

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 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: 09/17/97.

Company name:

Schlumberger Systèmes **GSM**

Project:

FR

Country of registration: Patent no.:

PCT/US98/17605

Countries applicable:

PCT

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: 08/25/98.

Company name:

Schlumberger Systèmes

Project:

GSM FR

Country of registration: Patent no.:

60/133,300

Countries applicable:

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: Country of registration:

GSM FR

Patent no.:

PCT/HS97/18999

Countries applicable:

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: Project:

Schlumberger Systèmes

Country of registration:

GSM FR

97/401620.6

Patent no.: Countries applicable:

EPO

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

Project: **GSM** Country of registration: FR 96/08916 Patent no.:

Countries applicable: 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: 15/07/96.

Company name:

Project: Country of registration: Patent no.:

Countries applicable:

Notes:

Schlumberger Systèmes **GSM**

FR 9-189917 JΡ

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

FR

Project:

Country of registration:

Patent no.:

Countries applicable:

Notes:

GSM

98 801156.5 CN

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:

Country of registration: Patent no.: Countries applicable:

Notes:

GSM

FR 08/892.813

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: 07/15/97.

Company name: Schlumberger Systèmes

Project: Country of registration:

Patent no.:

Countries applicable:

Notes:

GSM FR

2397/MAS/97 IN

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** Country of registration: FR 217/97 Patent no.: ΑE

Countries applicable: 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: **GSM** Country of registration: FR

PCT/FR98/02753 Patent no.:

Countries applicable: **PCT**

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 **GSM**

Project: Country of registration:

FR 97/15971 Patent no.:

Countries applicable:

Notes:

FR 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

GSM

Project:

Country of registration: FR 96/09727 Patent no.: Countries applicable: 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: 08/01/96.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

09/147,491 Patent no.:

Countries applicable: 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

Project: **GSM** Country of registration: FR

10-507676 Patent no.:

Countries applicable: JΡ 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** Country of registration: FR

98/946 633.9 Patent no.: **EPO**

Countries applicable:

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: 09/18/98.

Company name: Schlumberger Systèmes

Project:

GSM Country of registration: FR

Patent no.: Countries applicable: **EPO**

Notes:

97/936 723.2

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

Country of registration: FR 08/957.512 Patent no.: US

Countries applicable:

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 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: 10/24/97.

Company name: Schlumberger Systèmes **GSM**

Project: Country of registration: FR

PI 9704974 Patent no.:

Countries applicable:

Notes:

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 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: 10/22/97.

Project: **GSM** Country of registration: FR Patent no.:

Countries applicable: TW

Notes:

86115695

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:

Project: Country of registration:

Patent no.: Countries applicable:

Notes:

Schlumberger Systèmes **GSM**

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:

Project: Country of registration:

Patent no.:

Countries applicable:

Notes:

Schlumberger Systèmes GSM

FR 9702459-0 SG

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

Company name: Project:

Country of registration:

Patent no.: Countries applicable: Notes:

Schlumberger Systèmes GSM

FR 96/09728 FR

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: SIEMENS Project: **GSM**

Title: Method and mobile communication system for routeing of call connections Country of registration: DE

Application no.: Countries applicable:

WO98/23117

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 and mobile communication system for routeing of call connections

Country of registration:

Application no.: EP 0 878 109 Countries applicable: **EPO**

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: GSM

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration: DF

Application no.: DE 19812215

Countries applicable: DE

ETSI Deliverable: 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.

SIEMENS Company name: Project: **GSM**

Title: Method and mobile communication system for routeing of call connections

Country of registration: DF Application no.: DE 19635581 DE

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: **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: DF

Notes:

Application no.: GB 2322047 Countries applicable: GB 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 ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DE

Application 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,

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.: CA / 2225205 CA

Countries applicable:

ETSI Deliverable: GSM 06.76 V7.2.0

Notes:

DE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DE

Patent no.: US 6 128 513 Countries applicable: US

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**

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:

Patent no.: DE 19653122

Countries applicable: DF

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 mobile communication system for supporting portability of a mobile subscriber telephone

number

Country of registration:

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 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

Country of registration:

Application no.: EP 1 016 304 Countries applicable: FPO

ETSI Deliverable: GSM 03.33 V7.1.0

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,

Company name: SIEMENS Project: **GSM**

Title: Interception in wireless networks

Country of registration: DE

Application no.: CN / 1271501 Countries applicable: CN GSM 03.33 V7.1.0 **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.

SIEMENS Company name: Project: GSM

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration: DF

Application no.: WO99/48318

Countries applicable: US

ETSI Deliverable: 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.

SIEMENS Company name: Project: **GSM**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling DE

Country of registration:

Application no.: EP 1 064 810 Countries applicable: **EPO**

ETSI Deliverable:

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: **GSM**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration: DE

Application no.: JP / 12-537394

Countries applicable:

JΡ

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: GSM

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration: DE

Application no.: KR / 7010361/00

Countries applicable: KR

ETSI Deliverable: 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,

Company name: SIEMENS Project: GSM

Title: Method, base station and subscriber station for channel coding in a GSM mobile radio telephone system

Country of registration:

Application no.: WO00/31880

AU, BR, CA, CN, HU, ID, IN, JP, KR, MX, RU, US, EPO Countries applicable:

ETSI Deliverable:

GSM 05.03 V8.3.0 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: **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: DF

IN / 1533/CAL/97 Application 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.

SIEMENS Company name: Project: **GSM**

Title: Interception in wireless networks DF

Country of registration:

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.

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

Country of registration: DF

Patent no.: US 5 797 100

Countries applicable: US

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,

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: DF

Application no.: EP 0 793 394

Countries applicable: **EPO**

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,

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration: DF

Patent no.: DE 19635581

Countries applicable: DF

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 for confirmed multi-address calling in a regionally split GSM mobile radio network

Country of registration: DF

Application no.: IN / 2152/CAL/96

Countries applicable: IN

ETSI Deliverable: GSM 03.68 V6.2.0 GSM 03.69 V6.2.0 GSM 09.07 V4.11.0

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 confirmed multi-address calling in a regionally split GSM mobile radio network Title:

Country of registration: DF Application no.: EP 0 782 356 Countries applicable: **EPO**

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.

SIEMENS Company name: Project: **GSM**

Title: Method for displaying telephone numbers on subscriber stations of calling subscribers in a voice group

call service

Country of registration: DF

Application no.: EP 0 771 126 Countries applicable: **EPO**

ETSI Deliverable: 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

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:

Patent no.: DE 19509000

Countries applicable: DF

ETSI Deliverable: GSM 03.78 V6.1.1 TS 29.002 V3.6.0

DE

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 the transmission of subscriber data between network nodes in at least one communications

network supporting the structure of an intelligent network

Country of registration: DE

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: SIEMENS Project: SIEMENS

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: DE

Application no.: CN / 1137714

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
Project: GSM

Title: Method for administering additional services in a mobile communication network

Country of registration: DE

Application no.: IN / 266/CAL/97

Countries applicable: IN

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: 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: DE

Application no.: EP 0 732 861
Countries applicable: EPO

Countries applicable: EPC ETSI Deliverable: GSM

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: Method for administering additional services in a mobile communication network

Country of registration: DE

Application no.: CN / 1160330

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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 Setting up a call connection for a group call to a group of mobile radio subscribers in a mobile

radio network

Country of registration: DE

Application no.: FI / 960662

Countries applicable: F

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 AEEII LATES hereby declare that they are prepared to great irrevocable licences.

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: SSM

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: DE

Application no.: EP 0 727 914

Countries applicable: EPO

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,

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

Company name: SIEMENS Project: SSM

Title: Method for the use of services by network subscribers

Country of registration: DE

Patent no.: EP 0 715 473

Countries applicable: 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: GSM

Title: Method for the use of services by network subscribers

Country of registration: DE
Application no.: FI / 955737
Countries applicable: FI

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 setting up a connection between a plurality of cellular networks

Country of registration: DE

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,

Title: Telecommunications network as well as subscriber stations and central station for a Telecommunications

network

Country of registration: Patent no.:

DE DE 36 38 735

Countries applicable:

DF

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.

SIEMENS Company name: Project: **GSM**

Title: Device for point-to-point wire-free transmission of speech

Country of registration: DF

Patent no.: DE 32 25 443

Countries applicable: DE

ETSI Deliverable: GSM 05.05 V8.3.0

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 for jam-resistant communication transmission DE

Country of registration: Patent no.:

CA 1238951

Countries applicable:

CA

ETSI Deliverable:

Notes:

GSM 06.31 V8.0.0

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**

Method for jam-resistant communication transmission Title:

Country of registration: DE

US 4 843 612 Patent no.:

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.

Company name: SIEMENS 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.: FI / 961174

Countries applicable:

FΙ

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 and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration: DF

Patent no.: US 6035 198

Countries applicable: US

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 for confirmed multi-address calling in a regionally split GSM mobile radio network

Country of registration: DF

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

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 for administering additional services in a mobile communication network DF

Country of registration:

DE 196 08 464 Patent no.:

Countries applicable: DE

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**

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:

Patent no.: JP 2977154

Countries applicable: JΡ

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 and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

DE Application no.: KR / 24254/98

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,

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

348

a cellular mobile radiotelephone network

Country of registration: DE

Application no.: CN / 1180285

Countries applicable: CN

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 and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration: DE

Application no.: EP 0 827 355

Countries applicable: **EPO**

GSM 03.79 V5.2.0 TS 23.079 V3.3.0 **ETSI Deliverable:**

DE

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 for administering additional services in a mobile communication network Title:

Country of registration:

Patent no.: ZA/ 97/1770

Countries applicable: ZΑ

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**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

Patent no.: US 6 085 105

Countries applicable: US

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: Sun Microsystems, Inc.

Project: **GSM**

Title: Data Exchange System Comprising Portable Data Processing Units

Country of registration: N7 Patent no.: 278967 Countries applicable: ΝZ **ETSI Deliverable:** GSM 03.19

In accordance with the ETSI IPR Policy, Article 4.1, the SIGNATORY hereby informs ETSI that, with Notes:

reference to ETSI Standard No. GSM 03.19, SUN hereby declares its belief that the above-mentioned patent might be considered ESSENTIAL in respect of the GSM 03.19 specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the listed patents, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on their continuing belief, also stated in their prior declaration to ETSI with respect to GSM 03.19, that their standard license terms and conditions, as reflected in agreements they have

previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project:

Title: Data Exchange System Comprising Portable Data Processing Units

Country of registration: Patent no.:

666550

DE, GB, FR, IT, NL Countries applicable: **ETSI Deliverable:** GSM 03.19

Notes:

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, SUN hereby declares its belief that the above-mentioned patent might be considered ESSENTIAL in respect of the GSM 03.19 specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the listed patents, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on their continuing belief, also stated in their prior declaration to ETSI with respect to GSM 03.19, that their standard license terms and conditions, as reflected in agreements they have previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: GSM

Title: Data Exchange System Comprising Portable Data Processing Units

Country of registration: AU Patent no.: 706393 Countries applicable: ΑU **ETSI Deliverable:** GSM 03.19

Notes:

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, SUN hereby declares its belief that the above-mentioned patent might be considered ESSENTIAL in respect of the GSM 03.19 specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the listed patents, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on their continuing belief, also stated in their prior declaration to ETSI with respect to GSM 03.19, that their standard license terms and conditions, as reflected in agreements they have previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: **GSM**

Title: Coherent Data Structure with Multiple Interaction Contexts for a Smartcard

Country of registration: US Patent no.: 5802519 Countries applicable: US **ETSI Deliverable:** GSM 03.19

Notes:

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, SUN hereby declares its belief that the above-mentioned patent might be considered ESSENTIAL in respect of the GSM 03.19 specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the listed patents, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on their continuing belief, also stated in their prior declaration to ETSI with respect to GSM 03.19, that their standard license terms and conditions, as reflected in agreements they have previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Sun Microsystems, Inc.

Project: **GSM**

Title: Data Exchange System Comprising Portable Data Processing Units

Country of registration: FU Patent no.: 757336

Countries applicable: BE, DK, DE, GB, FR, GR, IE, IT, LU, AT, PT, CH, ES, SE, NL

ETSI Deliverable: Notes:

GSM 03.19

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, SUN hereby declares its belief that the above-mentioned patent might be considered ESSENTIAL in respect of the GSM 03.19 specification. SUN further declares that it has granted, and is prepared to continue to grant, licenses under its ESSENTIAL IPR, including the listed patents, on fair, reasonable and non-discriminatory terms and conditions. In making this latter declaration, SUN relies on their continuing belief, also stated in their prior declaration to ETSI with respect to GSM 03.19, that their standard license terms and conditions, as reflected in agreements they have

previously entered into with SIM card manufacturers, satisfy this standard.

Company name: Telia AB Project: **GSM**

Title: Method for locating Mobile Stations in a Digital Telephone Network

Country of registration: **EPO** 94850095.4 Application no.:

Company name: Telia AB Project: **GSM**

Title: Procedure at Telecommunications Systems which makes possible a reduction of the Digital Processing

Country of registration:

PCT/SE 95/00850 Application no.:

Company name: Telia AB
Project: GSM

Title: Device for increasing the speed in a Digital Mobile Radio System

Country of registration: EPO 95850184.3

Company name: Telia AB Project: 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: EPO 94900333.9

Company name: Telia AB
Project: GSM

Title: Anntenna Arrangement Device Country of registration: EPO

Country of registration:EPOApplication no.:92850035.2Company name:Telia AB

Project: GSM
Title: A Mobile Telecommunication System having aa Auxilliary Routing Arrangement

Country of registration: EPO 92850286.3

Company name: Telia AB Project: GSM

Title: A Method and Arrangement for Performance Monitoring in a Telecommunications Network

Country of registration: EPO 92850263.2

Company name: Telia AB
Project: GSM

Title: Method and Arrangement for increasing capacity in a Mobile Telephone System

Country of registration:EPOApplication no.:91903207.8Patent no.:0 513 089 B1

Company name: Telia AB Project: GSM

Title: Arrangement in Mobile Communication System for extending the range between one or more Mobile

Units and Base Stations EPO

Application no.: 94904363.2

Company name: Telia AB

Country of registration:

Company name: Telia AB
Project: GSM

Title: Method of Location in a Mobile Radio System

Country of registration: EPO 91916715.5
Patent no.: 0 551 310 B1

GSM/AMR-NB

Company name: Alcatel GSM/AMR-NB Project:

Title: AMR 12b, Document Tdoc SMG11 134/98R2,

Country of registration: n/a **ETSI Deliverable: AMR**

Notes: 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 Project:

Country of registration:

n/a **ETSI Deliverable:** AMR

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

Project: GSM/AMR-NB

Title: Referring to the SMG11 AMR qualification deliverables documents, AMR-12a, §2.7 Country of registration:

Notes:

With regard to GSM and UMTS, Ericsson is of the opinion that it has patent(s) and/or pending patent

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-

term perceptual weighting filter

Country of registration:

Patent no.: 2734389

US, CA, JP, CN, HK, KR, FR, GB, DE, IT, NL, SE, DK Countries applicable:

B-FRANC candidate of AMR selection. The list provided during this AMR selection phase may not include Notes:

"pending" patents.

Company name: **NEC Corporation** GSM/AMR-NB Project:

Title: Method and apparatus for encoding voice signals

Country of registration: US Application no.: 565804 Patent no.: 4716592 Countries applicable: US Notes: **AMR**

Company name: **NEC Corporation** Project: GSM/AMR-NB

Country of registration: CA 444239-3 Application no.: 1197619 Patent no.: Countries applicable: CA **AMR** Notes:

NEC Corporation Company name: Project: GSM/AMR-NB

Country of registration: JΡ Application no.: 57-231603 Patent no.: 1740692 Countries applicable: JΡ Notes: **AMR**

Company name: **NEC Corporation** GSM/AMR-NB Project:

JΡ Country of registration: Application no.: 57-231605 Patent no.: 1740693 JΡ Countries applicable: Notes: **AMR**

Company name: NEC Corporation Project: SSM/AMR-NB

Country of registration: JP
Application no.: 57-231606
Patent no.: 1740694
Countries applicable: JP
Notes: AMR

Company name: Nokia
Project: GSM/AMR-NB
Country of registration: US

Patent no.: 5444816
Countries applicable: US
Notes: AMR

Company name: Nokia
Project: GSM/AMR-NB
Country of registration: US
Patent no.: 4969192

Countries applicable: US
Notes: AMR

Company name: Nokia
Project: GSM/AMR-NB
Country of registration: GB
Patent no.: 9605123

Countries applicable: GB
Notes: AMR

Company name: Nokia
Project: GSM/AMR-NB

Country of registration: US
Patent no.: 5664053
Countries applicable: US
Notes: AMR

Company name: Nortel Northern Telecom Ltd.

Project: GSM/AMR-NB

Title: Methods and apparatus for noise conditioning in digital speech compression using linear predictive coding

Country of registration: CA
Patent no.: US 5642464

Countries applicable: CA, US, EU
Notes: Nortel has sta

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: Method and apparatus for generating frame voicing decisions of an incoming speech signal

Country of registration: n/a
Application no.: n/a
Patent no.: 5774849
Countries applicable: US
Notes: AMR

Company name: Rockwell Semiconductor Systems

Project: GSM/AMR-NB

Title: Delayed decision switched prediction multistage LSF vector quantization

Country of registration: n/a
Application no.: n/a
Patent no.: 5774839
Countries applicable: US
Notes: AMR

Company name: Rockwell Semiconductor Systems

Project: GSM/AMR-NB

Title: Spike code-excited linear prediction

Country of registration: n/a
Application no.: n/a
Patent no.: 5664054
Countries applicable: US
Notes: AMR

Rockwell Semiconductor Systems GSM/AMR-NB Usage of voice activity detection for efficient coding of speech

Company name:
Project:
Title:
Country of registration:
Application no.:
Patent no.:
Countries applicable:
Notes: n/a n/a 5689615 US AMR

GSM/TDMA

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: Patent no.:

IT 1191300

Countries applicable:

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:

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: Patent no.:

162,175

Countries applicable:

MX 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

Title:

Patent no.:

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 MY-102335A

Countries applicable:

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.

InterDigital Technology Corp. Company name:

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: KR

Patent no.:

40230 KR

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

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

Company name: InterDigital Technology Corp.

Project:

Title:

GSM/TDMA

JΡ

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:

Patent no.:

2816349

Countries applicable:

.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.

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:

GB 2174571

Patent no.: Countries applicable:

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

Project: 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: Patent no.:

IL 76618

Countries applicable:

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

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:

Patent no.:

IR 56780

Countries applicable:

IR

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

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:

Patent no.:

ΗK Mar-90

Countries applicable:

HK

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

licences under the IPRs on terms and conditions which are in accordance 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: GR Patent no.:

1000657

Countries applicable: 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

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

InterDigital Technology Corp. Company name:

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 GR

Country of registration:

Patent no.:

870966

Countries applicable:

GR

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

licences under the IPRs on terms and conditions which are in accordance 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 TIME DIVISION MULTIPLE ACCESS SYSTEMS

Country of registration:

GB 2224414

Patent no.: Countries applicable:

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.

InterDigital Technology Corp. Company name:

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: Patent no.:

8903349

ES

Countries applicable:

ES

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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/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: FΙ Patent no.:

104676

Countries applicable: Notes:

FΙ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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:

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:

Patent no.:

8600440

Countries applicable: FR

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

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:

JP Patent no.: 2979064

Countries applicable: JP

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

licences under the IPRs on terms and conditions which are in accordance 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 (BRAZILIAN TITLE: ESTACAO DE

BASE EM UMA REDE DE COMUNICAÇÃO DE ASSINANTES PARÁ COMUNICAR ENTRE AS

ESTACOES DE ASSINANTE E UMA REDE EXTERNA) BR

Country of registration:

Patent no.:

PI8801530

Countries applicable:

BR

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

licences under the IPRs on terms and conditions which are in accordance 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 (DANISH TITLE: GRUNDSTATION

TIL DIGITALT RADIOTELEFONSYSTEM)

Country of registration:

Patent no.:

DK 172084

Countries applicable:

DK

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

licences under the IPRs on terms and conditions which are 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 (PORTUGUESE TITLE: ESTACAO

DE BASE PARA SISTEMAS TELEFONICO DIGITAL POR VIA RADIOELECTRICA) РΤ

Country of registration:

Patent no.: 87283

Countries applicable: PT

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

licences under the IPRs on terms and conditions which are in accordance 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: RU Patent no.: 2003229 Countries applicable: RU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: TW Patent no.: 31631 Countries applicable: 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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: UA 27687 Patent no.: Countries applicable: UA

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

licences under the IPRs on terms and conditions which are in accordance 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: ΑIJ Patent no.: 585 748 Countries applicable: 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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: ZΑ

Patent no.: 89/1609 Countries applicable: 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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (BELGIAN TITLE: STATION DE Title:

BASE POUR SYSTEME TELEPHONIQUE NUMERIQUE SANS FIL.)

Country of registration: BF Patent no.: 8800372

ΒE 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

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

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION SYSTEM

Country of registration: US

4 811 420 Patent no.: 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

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:

ΒY Country of registration: Patent no.: 1154 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

GSM/TDMA Project:

CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL Title:

INFORMATION NETWORK

Country of registration: Patent no.:

CA 1 339 157

Countries applicable:

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: InterDigital Technology Corp.

GSM/TDMA Project:

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:

Patent no.:

8803594/8

Countries applicable:

FS

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: CA 1 339 158 Patent no.:

Countries applicable: 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: InterDigital Technology Corp.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: CN 10 469 Patent no.:

Countries applicable: CN

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

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: ID

Patent no.: ID0001927

Countries applicable: 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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: ΑZ Patent no.: i20000075

Countries applicable: ΑZ

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

licences under the IPRs on terms and conditions which are 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

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration: NO

Patent no.: 176,637

Countries applicable:

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

GSM/TDMA Project:

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: Patent no.:

IL 89428

Countries applicable: 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:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Patent no.: Countries applicable: IN 174843 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:

Project:

InterDigital Technology Corp.

GSM/TDMA

IT

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:

Patent no.: 1231180

Countries applicable:

Notes:

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

licences under the IPRs on terms and conditions which are in accordance 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 JΡ

Country of registration:

Patent no.:

2711333

Countries applicable: Notes:

JΡ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: KR

Patent no.:

53 566 KR

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

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 (MEXICAN TITLE: INICIALIZACION DE

CANAL DE COMUNICACION ENTRE UNA ESTACION)

Country of registration:

Patent no.:

Countries applicable:

Notes:

MX169 911 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.

InterDigital Technology Corp. Company name:

Project:

GSM/TDMA BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: Patent no.:

NO 175559

Countries applicable:

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.

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

> **SYSTEMS** FΙ

Country of registration: Patent no.:

98691

Countries applicable:

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.

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:

ES

Patent no.: Countries applicable: 8800957 FS

Notes:

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

licences under the IPRs on terms and conditions which are in accordance 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:

Patent no.:

N7 228172

NZ

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

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

Company name:

Project:

InterDigital Technology Corp.

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (PORTUGUESE TITLE: INICIALIZAÇÃO

DE UM CANAL DE COMUNICACAO ENTRE UM POSTO) PT

Country of registration:

Patent no.:

89 897

Countries applicable:

PT

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

licences under the IPRs on terms and conditions which are in accordance 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 (SWEDISH TITLE: SYNKRONISERING

AV BASSTATION OCH ABONNENTSTATION I ETT ABO) SF

Country of registration:

Patent no.:

Countries applicable:

9001262-6 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:

InterDigital Technology Corp.

Project:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (SWEDISH TITLE:

ABONNENTKOMMUNIKATIONSSYSTEM)

Country of registration:

SF

Patent no.: Countries applicable: 8900642-3

Notes:

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

GSM/TDMA Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: RU Patent no.:

2038699

Countries applicable:

RU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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:

Patent no.:

TW 36534

Countries applicable:

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:

Project:

InterDigital Technology Corp.

GSM/TDMA

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) NI

Country of registration:

Patent no.: 191 869

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

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:

Patent no.:

Countries applicable:

CH 675333 CH

NL

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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:

Patent no.:

DE P 38 12611

Countries applicable:

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.

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

AT

Country of registration: Patent no.: Countries applicable:

404202 ΑT

Notes:

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

licences under the IPRs on terms and conditions which are in accordance 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: Patent no.:

ΑU

Countries applicable:

576627 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

Project: 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:

ΑU Patent no.: 595139

Countries applicable: 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

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:

ΒE 904 065 Patent no.:

Countries applicable: 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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

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:

BR Patent no.: PI 8505598

Countries applicable: BR

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

licences under the IPRs on terms and conditions which are in accordance 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: CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL

INFORMATION NETWORK US

Country of registration:

Patent no.: 4 779 262

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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

SYSTEM, (SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR Title:

DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINLGE OR A PLURALITY OF RF CHANNELS.)

Country of registration: CA

1 307 064 Patent no.:

Countries applicable: CA

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

licences under the IPRs on terms and conditions which are in accordance 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:

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: MY

Patent no.: MY100722A

Countries applicable:

MY

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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: 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: CL Patent no.: 36,08

Countries applicable: CL

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

(CHILEAN TITLE - SISTEMA DE COMUNICATION DIGITAL ENTR

Country of registration: CL

37,738 Patent no.: Countries applicable: CL

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

licences under the IPRs on terms and conditions which are in accordance 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 Proiect: 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:

DF Patent no.: 3609395 Countries applicable: 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:

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: DF

Patent no.: 3645360

Countries applicable: 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.

InterDigital Technology Corp. Company name:

Project: 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 ES

Country of registration:

557.496/X Patent no.:

Countries applicable: ES

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

licences under the IPRs on terms and conditions which are in accordance 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.

ES

Project: 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:

Patent no.: 548.366/2

Countries applicable: 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.

InterDigital Technology Corp. Company name:

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: CA

Patent no.: 1 250 673

Countries applicable: CA

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

licences under the IPRs on terms and conditions which are in accordance 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

JΡ Country of registration:

JΡ

Patent no.: 2979319

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.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: Patent no.: 98430

Countries applicable: 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.

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (FRENCH TITLE: STATION DE

BASE POUR SYSTEME TELEPHONIQUE SANS FIL)

FR Country of registration: Patent no.: 88 04299

Countries applicable: FR

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

licences under the IPRs on terms and conditions which are in accordance 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: GB Patent no.: 2208774 Countries applicable: 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: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: HK Patent no.: 834/1994

Countries applicable: HΚ

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

licences under the IPRs on terms and conditions which are in accordance 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: ID

Patent no.: ID0001825 ID

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

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: Patent no.: 85678

Countries applicable: Ш

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA Title:

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

(ARGENTINEAN TITLE - DISPOSICION TELEFONICA DE RF PAR

Country of registration: AR

Patent no.: 241429 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

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (ITALIAN TITLE: STAZIONE BASE Title:

PER SISTEMA TELEFONICO DIGITALE SENZA FILI)

Country of registration: Patent no.:

1219926

IT

Countries applicable: 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.

GSM/TDMA Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: MY

Patent no.:

MY-103830A

Countries applicable:

MY

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: KR Patent no.: 51 947 Countries applicable: 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

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

Company name: InterDigital Technology Corp.

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (MEXICAN TITLE: ESTACION BASE Title:

PARA UN SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration: MX

Patent no.: 171,366 MX

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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: MY Patent no.: MY-100488A

Countries applicable: 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: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (DUTCH TITLE: BASISSTATION

VOOR EEN DRAADLOOS DIGITAAL TELEFOONSTELSEL)

Country of registration: NL Patent no.: 193162 Countries applicable: NL

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

licences under the IPRs on terms and conditions which are in accordance 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: US Patent no.: 4 777 633

Countries applicable: 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

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: ZΑ Patent no.: 88/5961

Countries applicable: ZA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: 178383 Patent no.:

Countries applicable: 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.

InterDigital Technology Corp. Company name:

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:

US Patent no.: 5 119 375 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.

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS (INDONESIAN TITLE: APARAT DAN METODA UNTUK MEMPEROLEH FREKWENSI

KETANGKASAN DALAM SISTEM KOMUNIKASI DIGITAL)

Country of registration: ID

Patent no.: ID 0000713

Countries applicable: ID

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

licences under the IPRs on terms and conditions which are in accordance 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: FR 8814617 Patent no.:

Countries applicable: FR

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

licences under the IPRs on terms and conditions which are in accordance 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 (SPANISH TITLE: SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration: ES

Patent no.: 8803332/5

Countries applicable: ES

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

licences under the IPRs on terms and conditions which are 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: CN Patent no.: 11478 Countries applicable: CN

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: Patent no.:

CA 1 295 434

Countries applicable:

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:

InterDigital Technology Corp.

Project:

GSM/TDMA

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS (BRAZILIAN TITLE: SISTEMA DE COMUNICACAO E PROCESSO DE DESIGNAR

RANHURAS OU PONTOS DE TEMP E CANAIS DE FREQUENCIA

Country of registration:

Patent no.: Countries applicable: 8805901-4 BR

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:

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:

Patent no.:

FR 89 02811

Countries applicable:

FR

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

licences under the IPRs on terms and conditions which are in accordance 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

Proiect: Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS Country of registration: ΑU

Patent no.:

590168

Countries applicable: 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:

InterDigital Technology Corp.

Project:

Title:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration:

Patent no.:

NO 176,638

Countries applicable:

NO

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

licences under the IPRs on terms and conditions which are in accordance 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:

US 5 022 024

Patent no.: 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

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: US

Patent no.: 5 121 391

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.

Company name: InterDigital Technology Corp.

GSM/TDMA Project:

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:

US Patent no.:

B14817089,

Countries applicable: 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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS

Country of registration:

IL Patent no.: 88187 Countries applicable: IL

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

licences under the IPRs on terms and conditions which are 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:

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: US

Patent no.: 5 022 024 US

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

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

InterDigital Technology Corp. Company name:

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:

Patent no.:

BF 8801283

Countries applicable:

BE

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

licences under the IPRs on terms and conditions which are 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: 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: US

Patent no.: 5 687 194

Countries applicable: 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: InterDigital Technology Corp.

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:

US Patent no.: 5 657 358

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

Project: 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: Patent no.:

US 5 734 678

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.

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:

Patent no.:

US 6 014374

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.

InterDigital Technology Corp. Company name:

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:

Patent no.:

US 4 817 089

Countries applicable:

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: 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:

US 4 675 863

Patent no.: 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.

InterDigital Technology Corp. Company name:

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: Patent no.:

74105869

Countries applicable:

TW

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

InterDigital Technology Corp.

Company name: 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:

TW NI-30412

Patent no.:

Countries applicable: 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.

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

InterDigital Technology Corp. Company name:

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:

SG Patent no.:

8990649.9

SG

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

SF

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:

Patent no.: 8504662-1

Countries applicable: 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: InterDigital Technology Corp.

GSM/TDMA Project:

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:

Patent no.:

85,136 PT

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.

InterDigital Technology Corp. Company name:

Project:

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:

Patent no.:

NO 308879

Countries applicable: NO

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

licences under the IPRs on terms and conditions which are 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:

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

(NORWEGIAN TITLE: MODEM FOR TELEFONSYSTEMER, ELLER AB)

Country of registration:

Patent no.:

304090 NO

ΝO

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

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 Title:

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

Patent no.:

US 4 912 705

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.

InterDigital Technology Corp. Company name:

Project:

GSM/TDMA

Title: 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: BR

PI89010302 Patent no.:

Countries applicable: Notes:

BR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

A COMMUNICATION SYSTEMS FOR COMMUNICATING BETWEEN A CENTRAL OFFICE, BASE Title:

STATION AND A PLURALITY OF SUBSCRIBER STATIONS

Country of registration:

IN Patent no.:

178151

Countries applicable:

IN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: ZΑ Patent no.:

88/8062

Countries applicable:

ZA

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

licences under the IPRs on terms and conditions which are in accordance 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 NETWORK

Country of registration:

Patent no.:

ΑU 603732

Countries applicable:

ΑU

BE

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

licences under the IPRs on terms and conditions which are in accordance with 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

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER (BELGIAN TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE)

Country of registration:

BF Patent no.: 9000315

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

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 (DISPOSITIF D'INITIALISATION D'UNE VOIE DE COMMUNICATION

ENTRE UN POSTE D'ABONNE ET UNE STATION) BF

Country of registration:

Patent no.: Countries applicable: 9000316 BE

Notes:

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

licences under the IPRs on terms and conditions which are in accordance 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 US

Country of registration: Patent no.:

4 785 450

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.

Company name:

InterDigital Technology Corp.

Project:

Notes:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (BELGIAN TITLE: DISPOSITIF

D'INITIALISATION D'UNE VOIE DE COMMUNICATION EN)

Country of registration:

BF 8900242

Patent no.:

Countries applicable:

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

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

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: TW Patent no.:

36023 TW

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

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**

Country of registration:

SG

Patent no.:

9692130-9 SG

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

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

Company name:

Project:

InterDigital Technology Corp.

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (SWEDISH TITLE: SATT OCH ANORDNING FOR ASTADKOMMANDE AV

FREKVENSRORLIGHET I DIGITALA KOMMUNIKATIONSSYSTEM)

Country of registration:

SF Patent no.: 8803823-7

Countries applicable:

Notes:

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.

Project:

GSM/TDMA

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION SYSTEMS (ARGENTINEAN TITLE: UNA DISPOSICION TELEFONICA DIGITAL INALAMBRICA)

Country of registration:

AR 241,364

Patent no.: Countries applicable:

Notes:

AR

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

licences under the IPRs on terms and conditions which are in accordance 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: ΝZ

Patent no.: 226967 Countries applicable:

ΝZ

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

licences under the IPRs on terms and conditions which are in accordance 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 (SPANISH TITLE: SISTEMA DE

COMUNICACION DE ABONADOS)

Country of registration: ES

Patent no.:

Countries applicable:

8900774/3

FS Notes:

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

licences under the IPRs on terms and conditions which are in accordance 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**

Country of registration:

Patent no.:

IN 174 241

Countries applicable:

IN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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/TDMA Project:

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) ΙT

Country of registration:

Patent no.: 1235150

Countries applicable: IT

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

licences under the IPRs on terms and conditions which are in accordance 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 Proiect:

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:

Patent no.: 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

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

Company name:

Project:

InterDigital Technology Corp.

GSM/TDMA

FR

FR

FR

FR

9002732

90 02733

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:

Patent no.:

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

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 (PORTUGUESE TITLE: SISTEMA E PROCESSO DE COMUNICACOES PARA A

OBTENCAO DE UMA AGILIDADE DE FREQUENCIA NOS SISTEMAS) PT

Country of registration:

Patent no.: Countries applicable: Notes:

88942 PΤ

licences under the IPRs on terms and conditions which are 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: 100843

Notes:

InterDigital Technology Corp. GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Patent no.: Countries applicable: FΙ

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 (NORWEGIAN TITLE: ANORDNING OG FREMGANGSMATE FOR A OPPNA

FREKVENSSMIDIGHET I DIGITALE KOMMUNIKASJONSSYSTEMER)

Country of registration: NO Patent no.: 176780

Countries applicable:

NO

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: JΡ Patent no.:

2899805

Countries applicable: 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.

Company name: InterDigital Technology Corp.

GSM/TDMA Project:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS Country of registration: KR 51 471 Patent no.:

Countries applicable: KR

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

licences under the IPRs on terms and conditions which are 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:

GSM/TDMA Proiect:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS (MEXICAN TITLE: APARATO Y METODO PARA OBTENER AGILIDAD DE FRECUENCIA

EN SISTEMAS DE COMUNICACION DIGITALES) MX

Country of registration:

Patent no.: 170,412

Countries applicable: 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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: CA

1 288 823 Patent no.:

Countries applicable: 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: InterDigital Technology Corp.

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN COMMUNICATION

SYSTEMS

Country of registration: Patent no.:

MY MY-101118A

Countries applicable:

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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: FΙ

Patent no.: 98425

Countries applicable: 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

HDSL

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

FΙ

Country of registration: Application no.: FI 942372 FI 96080 Patent no.:

ETSI Deliverable: ETR 152, RTR/TM-06002

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: EPO

Application no.: EP 95303476.6 Patent no.: EP 683580

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: ETR 152, RTR/TM-06002

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: ΝZ NZ 272163 Application no.: Patent no.: NZ 272163

ETSI Deliverable: ETR 152, RTR/TM-06002

Company name: Nokia Project: **HDSL**

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: ΑU

Application no.: AU 20202/95 Patent no.: AU 9520202

ETSI Deliverable: ETR 152, RTR/TM-06002

HIPERLAN

Company name: INRIA Project: HIPERLAN

Title: Installation de Type Réseau Radio de Transmission de Données, avec Routage

Country of registration:FRApplication no.:95 09928Countries applicable:FRETSI Deliverable:ETS 300 652

Company name: INRIA
Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: FR
Application no.: 95 09928
Countries applicable: FR
ETSI Deliverable: ETS 300 652

Company name: INRIA Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration:EPOApplication no.:94 905 162ETSI Deliverable:ETS 300 652

Company name: INRIA Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: JP
Application no.: 6-516756
Countries applicable: JP
ETSI Deliverable: ETS 300 652

Company name: INRIA Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration:CAApplication no.:2 132 626Countries applicable:CAETSI Deliverable:ETS 300 652

Company name: INRIA Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: US
Application no.: 08/307,578
Countries applicable: US
ETSI Deliverable: ETS 300 652

Company name: INRIA Project: HIPERLAN

Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant

Country of registration: FR
Application no.: 93 00750
Countries applicable: FR
ETSI Deliverable: ETS 300 652

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 n/a

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

licences under the IPRs on terms and conditions which are 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: Nortel Networks Ltd.

IPCablecom

Title: Methods and systems for providing access to stored audio data over a network

Country of registration: Application no.: Patent no.: EPO 00309381.2 EP 1 096 766 Countries applicable: EPO **ETSI Deliverable:**

TS 101 909
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are 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 ISDN

Title: TC-relay mechanism feature

Country of registration: n/a

ETSI Deliverable: ETS 300 287

Notes: Ericsson is fu

Ericsson is fully prepared to grant licenses to its rights in this/these patent(s) to the extent necessary in 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: KPN
Project: ISDN
Country of registration: n/a

Patent no.: WO98/49819
ETSI Deliverable: ETS 300 287

Notes: Royal KPN N.V. herewith notifies ETSI that it is the (co)proprietor of the International patent application

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.

Company name: Robert Bosch GmbH

Project: ISDN

Title: Verfahren und Schaltungsanordnung zum Betreiben von Endgeräten eines digitalen

Teilnehmeranschlusses

Country of registration: DE

Patent no.: DE 33 22 152 C2

Countries applicable: DE

ETSI Deliverable: ETS 300 012

Company name: Robert Bosch GmbH

Project: ISDN

Title: Verfahren zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses

Country of registration: DE

Patent no.: DE 33 11 386 C2

Countries applicable: DE

ETSI Deliverable: ETS 300 012

Company name: Telia AB
Project: ISDN
Country of registration: n/a
Application no.: 96938566
Countries applicable: EPO

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 Project: **ISDN** Country of registration: n/a Application no.: 08/860,467 Pending Patent no.: Countries applicable: US

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: Country of registration: n/a

Patent no.: Countries applicable:

Notes:

504 405

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: Country of registration: n/a Application no.: 973109 Patent no.: Pending Countries applicable: NO

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.

Lawful Interception

Company name: Alcatel

Project: Lawful Interception

Title: Procédé et équipement d'interception de communication téléphonique

Country of registration:

Application no.: 98402659.1

AT, BE, DE, IT, ES, SE, GB Countries applicable:

ETSI Deliverable: 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: Alcatel

Lawful Interception Project:

Title: Procédé et équipement d'interception de communication téléphonique

Country of registration:

Application no.: 98402659.1

Countries applicable: AT, BE, DE, IT, ES, SE, GB

ETSI Deliverable: ES 201 671

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

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

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

Company name: Ericsson

Lawful Interception Project:

Telephone call monitoring by law enforcement agency assigning identification numbers for telephone calls Title:

and notifying law agency if any party to call is identified as requiring monitoring

Country of registration: 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.

PLT

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

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.

Company name: ITRAN Communications Ltd.

Project: PLT

Title: Media access control with echo based collision detection and resolution

Country of registration: US **Application no.:** US 09/721,584

Countries applicable: US
ETSI Deliverable: US
Work Item no. DTS/PLT 00005

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

licences under the IPRs on terms and conditions which are in accordance 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 utilizing synchronization signaling

Country of registration: US
Application no.: 09/679,330
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.

Company name: ITRAN Communications Ltd.

Project: PLT

Title: Media access control with echo based collision detection and resolution

Country of registration: US **Application no.:** 09/721,584

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.

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

Countries applicable: US

ETSI Deliverable: Work Item no. DTS/PLT 00005

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

licences under the IPRs on terms and conditions which are in accordance 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: Med

Media access control utilizing synchronization signaling

Country of registration: US
Application no.: 09/679,330
Countries applicable: US

ETSI Deliverable: Work Item no. DTS/PLT 00005

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

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

PSTN

AT&T Company name: Project: **PSTN**

Title: Transmission During Ringing

Country of registration: SE Patent no.: 0,150,181 Countries applicable: SE **ETSI Deliverable:** ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: BE Patent no.: 0,150,181 Countries applicable: BE

ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing EPO

Country of registration:

Patent no.: WO 85/00488

AT, AU, BE, BR, CH, DE, DK, FI, FR, GB, JP, LU, NL, NO, SE, US Countries applicable:

ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: US Patent no.: 4,582,956 Countries applicable: ÚS

ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing FR

Country of registration: Patent no.: 0,150,181 Countries applicable: FR **ETSI Deliverable:** ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: GB Patent no.: 0,150,181 Countries applicable: GB **ETSI Deliverable:** ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: JΡ 1,832,616 Patent no.: Countries applicable: JΡ ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: **PSTN**

Title: Transmission During Ringing

Country of registration: Patent no.: 0,150,181 Countries applicable: NI ETS 300 659-1 **ETSI Deliverable:**

AT&T Company name: Project: **PSTN**

Title: Transmission During Ringing

Country of registration: DE Patent no.: 3,376,377

Countries applicable: DE ETS 300 659-1 **ETSI Deliverable:**

Company name: Project: Title: AT&T PSTN

Transmission During Ringing

Country of registration:
Patent no.:
Countries applicable:
ETSI Deliverable: CA 1,225,726 CA ETS 300 659-1

Nortel Northern Telecom Ltd. Company name:

Project: Country of registration: Patent no.: **PSTN**

GB GB 2 2588 119 B

Countries applicable: ETSI Deliverable: GB

ETS 300 659-2

RES

Company name:
Project:
Country of registration:
Application no.:
Patent no.:
Countries applicable: BT RES PCT

PCT/GB 92/02102 Published WO93/10623 DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

SDH

Company name: Project:

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:

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 that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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

YU

Country of registration: Application no.: Countries applicable:

P-1978/90 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.

Company name:

Siemens SDH

US

Project: 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:

Application no.: 07/691,676
Patent no.: 5168494
Countries applicable: US

ETSI Deliverable:

EN 300 417-9-1 V1.1.1

Notes:

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IPRs remain ESSENTIAL.

Company name:

Siemens

Project:

SDH

Title: A meth

A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy RU

Country of registration:

Application no.: Patent no.: Countries applicable: 4831743/09 2095942 RU

ETSI Deliverable:

EN 300 417-9-1 V1.1.1

Notes:

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that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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

Project: 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 905114 302269

Application no.: Patent no.:

NO 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: CA
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.

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:

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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: AU
Application no.: 67064/90
Patent no.: 620744
Countries applicable: AU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/

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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: CN

Application no.: 90109646.6
Patent no.: 16447
Countries applicable: CN

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: EN 300 417-9-1 VI.I.I

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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: DE

 Application no.:
 90121127.6

 Patent no.:
 0 429 888 B1

Countries applicable: CH, DE, FR, GB, IT, US, AU, CA, CN, JP, NO, RU, UA, 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.

SDSL

Company name: Siemens Project: SDSL Title: n/a Country of registration: Application no.: DE n/a Patent no.: n/a

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:

Country of registration:

Notes:

Siemens **SDSL** DF

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.

Siemens Company name: Project: **SDSL** Title: n/a Country of registration: DE Application no.: n/a

Patent no.: n/a

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 SDSL Project: Title: n/a Country of registration: DE Application no.: n/a Patent no.: n/a

ETSI Deliverable: TS 101 524-2

Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of Notes:

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.

SDŠL Project: Title: n/a Country of registration: ΙL Application no.: n/a 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

Speech Recognition

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: decoder.h - Type: H File

Country of registration: GB
Application no.: n/a
Patent no.: n/a
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: decoder.c - Type: C File

Country of registration: GB
Application no.: n/a
Patent no.: n/a
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: GB n/a
Application no.: n/a
Patent no.: n/a
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: coder.h - Type: H File

Country of registration: GB
Application no.: n/a
Patent no.: n/a
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: coder.c - Type: C file

Country of registration: GB
Application no.: n/a
Patent no.: n/a
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: Processing Received Data in a Distributed Speech Recognition Process

Country of registration: EPC

Patent no.: EP99951323.1

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; Work Item DES/STQ-00008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Speech Recognition

Title: Mitigating Errors in a Distributed Speech Recognition Process

Country of registration:

Patent no.: GB2343777A

Countries applicable: GB

ETSI Deliverable: ES 201 108; Work Item DES/STQ-00008

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

Company name:

Speech Recognition Project:

Copyright work: makefile.gcc - Type: GCC File Title:

Country of registration: GB Application no.: n/a Patent no.: n/a **ETSI Deliverable:** ES 201 108

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

Motorola Company name:

Project: Speech Recognition

Title: Copyright work: golay.h - Type: H File

Country of registration: Application no.: n/a Patent no.: n/a **ETSI Deliverable:** ES 201 108

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: Motorola

Speech Recognition Project:

Title: Processing Received Data in a Distributed Speech Recognition Process

Country of registration: GB

GB2343778A Patent no.:

Countries applicable: GB

ETSI Deliverable: ES 201 108; Work Item DES/STQ-00008

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: golay.c - Type: C File Title:

Country of registration: GB Application no.: n/a Patent no.: n/a **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: makefile.hp - Type: HP File

Country of registration: GB Application no.: n/a Patent no.: n/a **ETSI Deliverable:** ES 201 108

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

Company name: Motorola

Project: Speech Recognition

Copyright work: quantiser_8kHz.tab - Type: TAB File Title:

Country of registration: GB Application no.: n/a Patent no.: n/a **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

Company name: Motorola

Project: Speech Recognition

Copyright work: quantiser_16kHz.tab - Type: TAB File Title:

Country of registration:
Application no.: n/a Patent no.: n/a **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:

Project: Speech Recognition

Title: Mitigating Errors in a Distributed Speech Recognition Process

EPO Country of registration:

EP99972348.9

Patent no.:

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; Work Item DES/STQ-00008

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

STAG

KPN Company name: Project: **STAG**

Title: Monitoring Method and Monitoring System

n/a

Country of registration: Patent no.: EP 823187 Countries applicable: NL, US

Notes:

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.

Company name: KPN Project: **STAG**

Monitoring Method and Monitoring System Title:

Country of registration:

Patent no.: WO 96/34506 NL, US Countries applicable:

Notes:

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.

Television systems

Company name:
Project:
Country of registration:
Patent no.:
ETSI Deliverable: Philips Television systems EPO EP-A 0 538 466 ETS 300 732

TETRA

Company name: Alcatel Project: **TETRA**

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: Application no.: **EPO**

EP 94 401 946 Patent no.: EP 0 642 285

Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Title: Power Control for Radio Access

Country of registration: 93 02 701 Application no.: 2 702 614 Patent no.: Countries applicable:

Part 2: Air interface Notes:

Company name: Alcatel Project: **TETRA**

Title: Power Control for Radio Access

Country of registration: **EPO** Application no.: EP 94 400 502 Patent no.: EP 0 615 353

Countries applicable: BE, FR, DE, IT, NL, ES, SE, GB

Notes: Part 2: Air interface

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

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Title: Power Control for Radio Access

Country of registration: Application no.: 94-1066 Patent no.: 9401066 Countries applicable: FΙ

Part 2: Air interface Notes:

Alcatel Company name: Project: **TETRA**

Title: **Dummy Burst Structure**

Country of registration: Application no.: JΡ 235504/94 Patent no.: 170580/95 Countries applicable: JΡ

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration:

Patent no.: EP 0 627 821

BE, FR, DE, IT, LU, NL, PT, ES, SE, CH, GB 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: **TFTRA**

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration: Application no.: 94 2 512 Countries applicable: FΙ **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: Project: **TETRA**

Title: Power Control for Radio Access

Country of registration: US Application no.: 94-207687 Patent no.: 5,564,075 Countries applicable: US

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Procédé et dispositif d'entrelacement d'une séquence d'éléments de données Title:

Country of registration: FR

FR 2 706 054 Patent no.:

Countries applicable: FR

ETSI Deliverable: ETS 300 392-2

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in respect of the standard, to the extent that the IPRs remain essential.

Company name: Project: **TETRA**

Title: Method for forming Groups of Communication Terminals

Country of registration: US Application no.: 408628 Patent no.: 5,625,886 Countries applicable: US

Notes: Part 2: Air interface

Company name: Alcatel Project:

Title: Power Control for Radio Access

Country of registration: JP Application no.: 94-38813 Patent no.: 07007469

Countries applicable: JΡ

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Dummy Burst Structure Title:

Country of registration: US Application no.: 94-313798 Patent no.: 5,583,870 Countries applicable: US

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

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Dummy Burst Structure Title:

Country of registration: ΑU Application no.: 94-74213 Patent no.: 9474213 Countries applicable: ΑU

Part 2: Air interface Notes:

Company name: Alcatel Project: **TETRA**

Title: **Dummy Burst Structure**

Country of registration: EPO

Application no.: EP 94 402 160 Patent no.: EP 0 645 903

Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB

Part 2: Air interface Notes:

Company name: Alcatel Project: **TFTRA**

Title: **Dummy Burst Structure**

Country of registration: FR Application no.: 93 11 572 Patent no.: 2710805 Countries applicable: FR

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Time Slot Steeling in a multiplexed Radio System Title:

Country of registration: US Application no.: 299 654 5,511,072 Patent no.: Countries applicable: US

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 Patent no.: 254879/95 Countries applicable: JΡ

Notes: Part 2: Air interface

Company name: Alcatel Project: **TETRA**

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: FΙ 94-4038 Application no.: Patent no.: 9404038 Countries applicable: FΙ

Part 2: Air interface Notes:

Company name: Alcatel Project:

Title: Method and device for interleaving a sequence of data elements

Country of registration: FR Patent no.:

US 5,742,612

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: Time Slot Steeling in a multiplexed Radio System

Country of registration: FR Application no.: 93 105 67 Patent no.: 2 709 893 Countries applicable: FR

Notes: Part 2: Air interface

Company name: Alcatel Project:

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, FR, DE, IT, NL, ES, SE, CH, GB Company name: Marconi Communications Ltd.

Project:

Title: Data Transmission System

Country of registration: GB Application no.: 8428154 Patent no.: 2166929

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: A Communication System

Country of registration: IT

Application no.: 70146/BE/93 Patent no.: 0269202 Countries applicable: IT

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: A Communication System

Country of registration: US Application no.: 125469 Patent no.: 4866709 Countries applicable: US

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:

Title: Signal Strength Measurement

Country of registration: GB Application no.: 8915399.3 Patent no.: 2234354 Countries applicable: GB

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:

Title: Signal Transmission System

Country of registration: GB Application no.: 9005197.0 Patent no.: 2241850 Countries applicable: GB

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**

A Communication System Title:

Country of registration: FR

Application no.: 87307453.8 Patent no.: 0269202 Countries applicable: FR

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: DE

Application no.: 87307453.8 Patent no.: P.3787787.9

DF Countries applicable:

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:

Communication Systems and Stations for such a System Title:

Country of registration: GB Application no.: 8723162 Patent no.: 2195870

Countries applicable: GB

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** Country of registration: n/a

Patent no.: GB 2 177 873

Patents essential to the TETRA Standard: I am writing to notify you, on behalf of Marconi Notes:

Communications Limited, of patent GB 2 177 873 which is considered essential to the above standard.

(Signatory: Roger K. Tolfree, Manager).

Marconi Communications Ltd. Company name:

Project: **TETRA**

Title: A Communication System

Country of registration: GB Application no.: 8628497 Patent no.: 2198013 Countries applicable: GB

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: Motorola **TFTRA** Project:

Title: Digital Speech Coder Having Improved Sub-Sample Resolution Long-Term Predictor

Country of registration: GB

Patent no.: EP0450064

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: **TETRA**

Digital Speech Coder Having Improved Long Term Lag Parameter Determination Title:

Country of registration: GB

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: Motorola

Project: **TETRA**

Title: A method of operating a Radio Transmission or Communication System Including a Central Station and a

Plurality of Individual Rem

Country of registration: **EPO**

Patent no.: EP 0 269 643

AT, BE, DK, DE, FR, GB, IT, NL, SE, CH Countries applicable:

Company name: Motorola Project: **TETRA**

Title: Trunked Communication System with Nationwide Roaming Capability

Country of registration: FPO 89901513.5 Application no.:

AT, BE, FR, DE, GB, IT, LU, NL, SE, CH Countries applicable:

Company name: Motorola Project: **TETRA**

Title: Communications Apparatus

Country of registration: GB Application no.: GB9119186.6

Countries applicable: GB

Company name: Motorola Project: **TETRA**

Title: Selective System Scan for Multizone Radiotelephone Subscriber Units

Country of registration: **EPO**

Patent no.: EP 0 352 786

Countries applicable: AT, BE, FR, DE, GB, GR, IE, IT, LU, NL, ES, SE, CH

Company name: Motorola Project: TFTRA

Title: Improved Dispatched Trunked Radio System

Country of registration:

Patent no.:

Patent no.: EP 0 210 181

AT, BE, FR, GB, DE, IT, NL, SE, CH Countries applicable:

28221

Company name: Motorola Project: **TETRA** Title: Radio System Country of registration: TR

Company name: Motorola Project: TETRA Title: Radio System Country of registration: RU 94035751.0 Application no.: Countries applicable: RU

Company name: Motorola Project: **TETRA** Title: Radio System Country of registration: RO Application no.: 94-01115 Countries applicable: RO

Company name: Motorola Project: **TFTRA** Title: Radio System Country of registration: Application no.: P-304341 Countries applicable: PL

Company name: Motorola Project: **TETRA** Title: Radio System Country of registration: HU P9401972 Application no.: Countries applicable: HU

Company name: Motorola Project: **TETRA** Title: Radio System Country of registration: FΙ Application no.: 943189 Countries applicable: FΙ

Company name: Motorola Project: **TETRA**

Packet-Switched Cellular Telephone System Title:

Country of registration: **EPO** Application no.: 89101118.1

Countries applicable: AT, BE, FR, DE, GB, GR, IT, LI, LU, NL, ES, SE, CH

Company name: Motorola Project: **TETRA**

Title: Communication Signal Having a Time-Domain Pilot Component

Country of registration: GB Patent no.:

GB2266645

Countries applicable: GB

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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**

Communication Signal Having a Time-Domain Pilot Component Title:

Country of registration: GB

Patent no.:

GB2266645

Countries applicable: 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

Company name: Motorola
Project: TETRA
Title: Radio System
Country of registration: EPO
Application no.: 93922524.9

Countries applicable: AT, DK, DE, GB, ES, SE

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: US

Application no.: US 08/436, 185 **Patent no.:** US 5633913

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: AU

Application no.: AU 74615/94 **Patent no.:** AU 674781

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: JP

Application no.:JP 6-511767Patent no.:JP 8503112

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: PCT

Application no.: PCT/FI93/00486
Patent no.: PCT/FI93/00486

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: 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: AU

Application no.: AU 54673/94 Patent no.: AU 674362

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: FI
Application no.: FI 933576
Patent no.: FI 95428

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: PCT

Application no.: PCT/FI94/00348
Patent no.: WO 9505721

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: JP

Country of registration: JP
Application no.: JP 6-512808
Patent no.: JP 8503587

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: JP
Application no.: JP 7-506774
Patent no.: JP 8502639

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: EPO
Application no.: EP 94900833.8
Patent no.: EP 671097

Countries applicable: AT, BE, CH, LI, DE, FR, GB, IT, NL, SE

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: US

 Application no.:
 US 08/416, 731

 Patent no.:
 US 5634197

Company name: Nokia Project: TETRA

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call CN

Country of registration:

 Application no.:
 CN 94190593.4

 Patent no.:
 CN 1113406

Company name: Nokia Project: TETRA

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: FI
Application no.: FI 914656
Patent no.: FI 88986

Company name: Nokia Project: TETRA

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: PCT

Application no.: PCT/Fl92/00248
Patent no.: PCT/Fl92/00248
WO 9307723

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

Countries applicable: 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 Realising A Group Call In A Digital Radio Network

Country of registration: AU

Application no.: AU 25722/92 **Patent no.:** AU 665573

Company name: Nokia Project: TETRA

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

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: EPO

Application no.: EP 94924311.7 **Patent no.:** EP 664069

Countries applicable: 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: NO

Application no.: NO 943346 **Patent no.:** NO 9403346

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration:FIApplication no.:FI 925236Patent no.:FI 96156

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

Country of registration: FI
Application no.: FI 930096
Patent no.: FI 92274

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

Country of registration: EPO
Application no.: EP 94903913.5
Patent no.: EP 630548

Countries applicable: 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

Application no.: JP 6-515724 **Patent no.:** JP 7504793

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

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

Country of registration: AU

Application no.: AU 58176/94
Patent no.: AU 671348

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

Country of registration: CN

 Application no.:
 CN 94190016.9

 Patent no.:
 CN 1101490

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: FI
Application no.: FI 925431
Patent no.: FI 96656

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: PCT

Application no.: PCT/FI93/00501
Patent no.: WO 9413089

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: AU
Application no.: AU 55639/94
Patent no.: AU 683033

Company name: Thomson-CSF

Project: TETRA

Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio

Country of registration: EPO 87/4028541

Company name: Thomson-CSF Project: TETRA

Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio

Country of registration: FR
Application no.: 86/17877
Countries applicable: FR

Company name: Thomson-CSF Project: TETRA

Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes

Country of registration: US
Application no.: 927 528
Countries applicable: US

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

Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes

Country of registration: EPO 909159568

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

Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes

Country of registration: PCT

Application no.: PCT/CA90/00381

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

Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes

Country of registration: CA
Application no.: 2 010 830
Countries applicable: CA

Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant

sublicences

TFTS

Company name: Project: Title: BT TFTS

Skyphone Fax Coder EPO GB 92/02102 Country of registration: Patent no.:

Company name: Project: Title: BT TFTS

Country of registration: Application no.: Countries applicable:

Skyphone Fax Coder PCT PCT/GB 92/10623 DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

TIPHON

Company name: Telchemy Project: TIPHON

Title: Quality of Service Monitor for Multimedia Communications Systems

Country of registration: US
Application no.: 09/551,498
Countries applicable: US
ETSI Deliverable: TS 101 329-5

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: Telchemy Project: TIPHON

Title: Dynamic Quality of Service Monitor

Country of registration: US
Application no.: 09/574,472
Countries applicable: US
ETSI Deliverable: TS 101 329-5

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.

UMTS

Company name: AirTouch Communications

Project: UMTS

Title: CDMA Transmission Delay Method and Apparatus

Country of registration: US 5,479,397 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Cellular Telephone System

Country of registration: US
Patent no.: 4,932,049
Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Satellite Mobile Communication System for Rural Service Areas

Country of registration: US 5,081,703 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Zoned Microcell with Sector Scanning for Cellular Telephone System

Country of registration: US
Patent no.: 5,193,109
Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Piggy-Back Number and Routing Isolation for Cellular Telephone Switches

Country of registration: US 5,216,703 Countries applicable: US US

Company name: AirTouch Communications

Project: UMTS

Title: Frequency Signal Generator Apparatus and Method for Simulating Interference in Mobile

Communications Systems US

Country of registration: US
Patent no.: 5.23

Patent no.: 5,220,680 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Microcell System in Digital Cellular

Country of registration: US Patent no.: 5,243,598 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Network Management System

Country of registration: US Patent no.: 5,285,494 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Method and Apparatus for Fraud Control in Cellular Telephone Systems Utilizing RF Signature

Country of registration: US
Patent no.: 5,420,910
Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Microcells for Digital Cellular Telephone Systems

Country of registration: US
Patent no.: 5,504,936
Countries applicable: US

Company name: AirTouch Communications

Project:

Title: Microcell System for Cellular Telephone Systems

Country of registration:

Patent no.: 5,506,147 Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

Title: Spectral Sharing Communication System with Minimal Inter-Signal Interference

Country of registration: US 5,507,020 Patent no.:

Company name: AirTouch Communications

US

Project:

Countries applicable:

Method and Apparatus for Fraud Control in Cellular Telephone Systems Title:

Country of registration: US Patent no.: 5,555,551 Countries applicable: US

Company name: AirTouch Communications

Project: UMTS

Title: Digital Microcells for Cellular Networks

Country of registration: US Patent no.: 5,678,186 Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

In-Building Telephone Communication System Title:

Country of registration: US Patent no.: 5,349,631 Countries applicable: US

Company name: Alcatel Project: **UMTS** TD-CDMA Title: n/a

Country of registration:

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**

W-CDMA, TD-CDMA Title:

Country of registration:

n/a Notes:

Alcatel Alsthom, Companie Générale d'Electricité has declared that their Affiliates and themselves are 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: Canon **UMTS** Project: Title: **UTRA** Country of registration:

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: **CCETT UMTS** Project: Country of registration:

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 UMTS

Title: Adaptively Self-Correcting Modulation System and Method

Country of registration: SE
Application no.: 068,087
Patent no.: US-5351016

Countries applicable: GB, AU, IT, MX, NZ, US

Company name: Ericsson UMTS

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

Company name: Ericsson 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: AU, DE, DK, ES, FR, AT, HK, IT, MX, NL, SE, TW, US, GB

Company name: Ericsson UMTS

Title: Diversity Radio Receiver Automatic Frequency Control

Country of registration: SE
Application no.: 774,215
Patent no.: US-5321850
Countries applicable: US, TW, MX, GB

Company name: Ericsson UMTS

Title: Handover Method for Mobile Radio System

Country of registration: SE
Application no.: 071,356
Patent no.: US-5327577
Countries applicable: US

Company name: Ericsson 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: US, SE, IT, GB, FR, ES, DE

Company name: Ericsson UMTS

Title: Duplex Power Control System in a Communications Network

Country of registration: SE 866,554
Patent no.: US-5345598
Countries applicable: AU, NZ, TW, US

Company name: Ericsson Project: UMTS

Title: CDMA Subtractive Demodulation

Country of registration: SE
Application no.: 739, 446
Patent no.: US-5218619

Countries applicable: DK, ES, FR, AT, GR, IT, LU, MX, MY, NL, SE, TW, US, GB, AU, BE, CH, DE

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

Company name: Ericsson Project: UMTS

Title: CDMA Frequency Allocation

Country of registration: SE
Application no.: 162,948
Patent no.: US-5341397
Countries applicable: US

Company name: Ericsson UMTS

Title: Discontinuous CDMA Reception

Country of registration: SE
Application no.: 866, 555
Patent no.: US-5239557
Countries applicable: MX, AU, NZ, US, TW

Company name: Ericsson Project: UMTS

Title: Fast Walsh Transform Processor

Country of registration: SE
Application no.: 735,805
Patent no.: US-5357454
Countries applicable: US, TW, SG, GB, FR

Company name: Ericsson UMTS

Title: Decoding System for Distinguishing Different Types of Convutionally Encoded Signals

Country of registration: SE
Application no.: 652,544
Patent no.: US-5230003
Countries applicable: US, SG, GB

Company name: Ericsson UMTS

Title: CDMA Frequency Allocation

Country of registration: SE
Application no.: 868,038
Patent no.: US-5295153
Countries applicable: AU, MX, NZ, TW, US

Company name: Ericsson UMTS

Title: Method of Transmitting Signalling Messages in a Mobile Radio Communication System

Country of registration: SE
Application no.: 899,166
Patent no.: US-5182753
Countries applicable: US

Company name: Ericsson Project: UMTS

Title: CDMA Subtractive Demodulation

Country of registration: SE
Application no.: 628,359
Patent no.: US-5151919

Countries applicable: AU, BE, DE, DK, ES, FR, GB, AT, IT, LU, MX, MY, NL, RU, SE, TW, US, GR

Company name: Ericsson UMTS

Title: Handover Method for Mobile Radio System

Country of registration: SE
Application no.: 365,432
Patent no.: US-5109528

Countries applicable: US, SG, SE, NO, NL, IT, HK, GB, FR, ES, DE

Company name: Ericsson 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
Patent no.: US-5088108

Countries applicable: US

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:

Company name: Ericsson Project: **UMTS**

Title: Mobile Assisted Handover Using CDMA

Country of registration:

Application no.: PCT/US93/03412 Patent no.: WO 93/21739 AU, NZ, TW Countries applicable:

Company name: Fricsson **UMTS** Project:

Title: W-CDMA, TD-CDMA

Country of registration: n/a

Ericsson has declared that it has patent(s) and/or pending patent application(s) relating to the W-CDMA Notes:

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.

Company name: Ericsson Project: **UMTS**

Method and Apparatus for Enhancing Signalling Reliability in a Cellular Mobile Radio Telephone System Title:

Country of registration: Application no.: 604.522 Patent no.: US-5230082 Countries applicable:

AU, US, MX, NZ, TW

Company name: Ericsson **UMTS** Project:

Title: Transceiver Algorithms of Antenna Arrays

Country of registration: SE Application no.: 195,224 Patent no.: US-5566209 US Countries applicable:

Company name: Ericsson **UMTS**

Project: Title: Method and Apparatus for Concatenated Coding of Mobile Radio Signals

Country of registration: SE Application no.: 678.314 US-5742619 Patent no.: Countries applicable: US

Company name:

Ericsson Project: **UMTS**

Bandwidth Allocation Title:

Country of registration: SE Application no.: 544,490 Patent no.: US-5729531 Countries applicable: US

Company name: Ericsson Project: **UMTS**

Title: Method for Regulating Power in a Digital Mobile Telephony System

Country of registration: Application no.: 712.930 Patent no.: US-5241690

Countries applicable: HK, AU, BE, BR, CH, CN, DE, DK, ES, FR, AT, GR, US, IT, KR, LU, MX, MY, NL, NZ, SE, SG, TW, GB

Company name: Ericsson Project: **UMTS**

Title: Calling Channel in CDMA Communications System

Country of registration: SE Application no.: 226,470 Patent no.: US-5377183 AU, MX, NZ, TW, US Countries applicable:

411

Company name: Ericsson Project: **UMTS**

Title: Mobile Assisted Handoff

Country of registration: SE Application no.: 354,779 Patent no.: US-5701585 Countries applicable: US

Company name: Ericsson Project: **UMTS**

Method and Apparatus for Spread Spectrum Channel Estimation Title:

Country of registration: Application no.: 504,339 Patent no.: US-5677930 Countries applicable: US

Company name: Fricsson Project: **UMTS**

Title: Navigation Assistance for Call Handling in Mobile Telephone Systems

Country of registration: SE 384,334 Application no.: US-5670964 Patent no.:

Countries applicable: US

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: AU, US, PK, TR, TW, MX, ZA

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 411,426 US-5634195

Countries applicable: US

Application no.:

Patent no.:

Company name: Ericsson Project: **UMTS**

Title: Method and System for Demodulation of Downlink CDMA Signals

Country of registration: SE Application no.: 187.062 US-5572552 Patent no.:

Countries applicable: US

Company name: Ericsson Project: **UMTS**

Multiple Access Coding Using Bent Sequences for Mobile Radio Communications Title:

Country of registration: SE Application no.: 291,693 Patent no.: US-5550809 US

Countries applicable:

Company name: Ericsson Project: **UMTS**

Title: Method and System for Channel Allocation using Power Control and Mobile Assisted Handover

Measurements

Country of registration: SF 207,032 Application no.: Patent no.: US-5491837 Countries applicable: US, SG

Company name: Ericsson Project: UMTS

Method of Effecting Handover in a Mobile Multilayer cellular Radio System Title:

Country of registration: SE Application no.: 901,075 US-5392453 Patent no.:

Countries applicable: US, TW, SE, NL, MY, IT, GB, FR, DE, AU 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, US, TW

Company name: Ericsson Project: UMTS

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, US, TW

Company name: Ericsson UMTS

Title: Automatic Retransmission Request

Country of registration: SE
Application no.: 332,114
Patent no.: US-5633874
Countries applicable: US

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

Company name: Ericsson UMTS

Title: Direct Sequence CDMA Coherent Uplink Detector

Country of registration: SE
Application no.: 235,527
Patent no.: US-5544156
Countries applicable: US, NZ, SG

Company name: Ericsson 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, US, TW, PH, ZA

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: US, TW, GB, AU

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

Company name: Ericsson Project: UMTS

Title: TDMA/FDMA/CDMA Hybrid Radio Access Methods

Country of registration: SE
Application no.: 179,954
Patent no.: US-5539730

Countries applicable: US, DE, IE, GB, FR, ZA, DK, ES, CH, BE, AT, GR, SE, IT, PT, NL, LU

Company name: Ericsson Project: **UMTS**

Title: Method and Apparatus for Mobile Radio Communications having Switched Dual Frequency Synthesizers

Country of registration: Application no.: 159,956 Patent no.: US-5448762 Countries applicable: GB, US

Company name: France Telecom **UMTS**

Project: Country of registration: n/a

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: Fujitsu Limited UMTS Project: W-CDMA Title: Country of registration: n/a

Notes:

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

Golden Bridge Technology (GBT) Company name:

Project: **UMTS**

UTRA RTT Proposal Title:

Country of registration:

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: Hitachi Ltd. Project: **UMTS** Title: n/a Country of registration: n/a Application no.: n/a Patent no.: n/a **ETSI Deliverable:** n/a

Hitachi, Ltd. Is ready to license its own Intellectual Property Right(s), which is deemed to be necessary to Notes:

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.

Italtel Spa Company name: Project: **UMTS** Title: TD-CDMA Country of registration: n/a

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)

Lucent Technologies Inc. Company name:

UMTS Project: Country of registration: n/a

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:

Title: Method and Apparatus for Variable Rate Transmitter

Country of registration: JΡ Application no.: JP9-16402 Countries applicable: JΡ

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

JР

Project:

Title: Mobile radio communication system, communication apparatus for mobile communication system, and

method for mobile radio communication system

Country of registration:

Application no.: JP10-114003

Countries applicable: 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: UMTS

Title: Method and Apparatus for Variable Rate Transmitter

Country of registration: PCT

Application no.: PCT/JP97/03224

Countries applicable: **PCT**

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:

UMTS Country of registration: JΡ JP10-080031 Application no.: JΡ

Countries applicable:

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: Motorola Project: UMTS

Title: Digital speech coder having improved sub-sample resolution long-term predictor

Country of registration: US Application no.: n/a 5,359,696 Patent no.: Countries applicable: US **ETSI Deliverable:** n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 communication system Title:

Country of registration: US Application no.: n/a Patent no.: 5.659.622 Countries applicable: US **ETSI Deliverable:** n/a

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Method and apparatus for providing high data rate traffic channels in a spread spectrum communication

system

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

US

5,204,876

US

N/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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.: n/a
Patent no.: 5,029,233
Countries applicable: US
ETSI Deliverable: n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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.: n/a
Patent no.: 6,006,104
Countries applicable: US
ETSI Deliverable: n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

System
US
n/a

5,627,830
US

US

n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.:

Patent no.:

Countries applicable:

ETSI Deliverable:

US

4,644,351

US

N/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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 nation-wide roaming capability

Country of registration:

Application no.:
Patent no.:
Countries applicable:
US
ETSI Deliverable:
US
n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Handoff apparatus and method with interference reduction for a radio system

Country of registration: Application no.: n/a Patent no.: 4,696,027 Countries applicable: US **ETSI Deliverable:** n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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.: n/a Patent no.: 5,964,356 Countries applicable: US **ETSI Deliverable:** n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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** W-CDMA Title: Country of registration: n/a

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** TD-CDMA Title: Country of registration: n/a

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: Motorola Project: **UMTS**

Title: Packet-switched cellular phone system

Country of registration: US Application no.: n/a Patent no.: 4,887,265 Countries applicable: US **ETSI Deliverable:** n/a

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: Dual Mode Radio Receiver with Scanning Capability

Country of registration: US Application no.: n/a Patent no.: 4,872,204 Countries applicable: US **ETSI Deliverable:** n/a

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

licences under the IPRs on terms and conditions which are in accordance 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 UMTS** Project:

W-CDMA Title:

Country of registration: n/a

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 non-

discriminatory 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** Project: Title: W-CDMA Country of registration: n/a

Nokia is prepared to grant under its respective essential IPRs licenses/crosslicenses (subject to Notes:

reciprocity) on a fair, reasonable and non discriminatory basis (in accordance with ETSI's IPR Policy

Clause 6.1)

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.:

Notes:

PI9906716-1

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

Company name: Nokia Corporation

Project: **UMTS**

Title: On managing the ciphering keys in UMTS system with double MM CA

Country of registration:

Application no.:

Notes:

PCT/FI99/01010

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes:

PCT/FI99/00926

PCT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

PCT/FI99/00926

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: Initialisation of UE specific frame number for air interface ciphering

Country of registration: FΙ

Application no.: 990499, 991184 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,

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.: 99956044.4

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: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM PCT

Country of registration:

Application no.:

PCT/FI99/00917

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:

Proiect: **UMTS**

Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to Title:

GSM Country of registration: US Application no.: 09/600083

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: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM JP

Country of registration:

Application no.:

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,

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

Company name: Nokia Corporation

Project: **UMTS**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM FΙ

Country of registration: Application no.: 982391 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM CN

Country of registration: Application no.:

99802021.4

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**

Call type specific multicall service in 3rd generation mobile networks

Country of registration: PCT

Title:

PCT/FI99/00545 Application 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:

Title: Call type specific multicall service in 3rd generation mobile networks

Country of registration:

Application no.: PCT/FI99/00545

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Call type specific multicall service in 3rd generation mobile networks

JΡ Country of registration:

Application no.: 2000-570989

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**

Call type specific multicall service in 3rd generation mobile networks Title:

Country of registration: Application 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,

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: **EPO** Application no.: 99931317.4

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**

WCDMA packet mode code resource allocation mechanism in the downlink Title: US

Country of registration:

Application no.: 09/486821

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: WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: Application no.: 20001072

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**

WCDMA packet mode code resource allocation mechanism in the downlink Title:

Country of registration: JΡ

2000-558616 Application 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: WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration:

Application no.: 981546

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

EPO 99936624.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

EPO

Country of registration:

FPO 99971626.9

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

Company name: Nokia Corporation Project:

Shared channel signalling with training sequences in UTRA/TDD Title:

Country of registration:

Application no.:

00944086.8

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 routing CN PDUS in 3G networks

Country of registration:

Application no.:

PCT/FI99/00522

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 routing CN PDUS in 3G networks

Country of registration: Application no.:

US 09/719586

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 2000-555452

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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 routing CN PDUS in 3G networks

Country of registration: Application no.: 981398 Patent no.: 106830

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 routing CN PDUS in 3G networks Title:

Country of registration: Application no.:

EPO 99931296.0

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: Nokia Corporation

Project: **UMTS**

Title: Method for routing CN PDUS in 3G networks

Country of registration: Application no.:

CN 99807410.1

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: Nokia Corporation

Project:

Method for routing CN PDUS in 3G networks Title:

Country of registration:

Application no.:

PI9911304-0 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: Nokia Corporation

Project: **UMTS**

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration:

Application no.:

PCT/FI00/00614

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: US

Application no.: PCT/FI00/00614

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: Title:

Shared channel signalling with training sequences in UTRA/TDD NO

Country of registration:

20011094

Application 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:

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration: Application no.: 990757 Patent no.: 105964

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**

Shared channel signalling with training sequences in UTRA/TDD Title:

Country of registration: Application 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, 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: PCT

Application no.: PCT/FI99/01010

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with Clause 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: **UMTS**

Shared channel signalling with training sequences in UTRA/TDD Title:

Country of registration:

Application no.: 58322/00

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration:

Application no.:

PCT/FI99/00821

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:

Segmentation without continuation indicator

Country of registration: FΙ Application no.: 982167 Patent no.: 106504

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**

UMTS Project:

Title: Segmentation without continuation indicator **EPO**

Country of registration: Application no.:

99947498.4

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Segmentation without continuation indicator

Country of registration: CN

Application no.: PCT/FI99/00821

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

CA

Country of registration:

Application no.: PCT/FI99/00821

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: PCT/FI00/00137

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: Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä

Country of registration: US Application no.: 09/507804

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 990384 Patent no.: 106901

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 handover measurement and reporting scheme

Country of registration: **EPO** Application no.:

99902583.6

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: Title:

Shared channel signalling with training sequences in UTRA/TDD

Country of registration:

Application no.: 2001-508078

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: Application no.: 93920864.1

Countries applicable:

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.

Company name: Nokia Corporation

Project: **UMTS**

WCDMA packet mode code resource allocation mechanism in the downlink Title:

Country of registration:

Application no.:

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

UMTS Project:

Title: Multicall paging procedure

Country of registration: Application no.:

EPO 98954361.6

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: **UMTS**

Multicall paging procedure Title:

Country of registration: JΡ

Application no.: 2000-575324

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: Multicall paging procedure

Country of registration:

Application no.:

PCT/EP98/06360

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 GB

Country of registration: Application no.:

9805294.7

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,

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

Company name: Nokia Corporation

UMTS Project:

Multicall paging procedure Title:

Country of registration: PCT

Application no.: PCT/EP98/06360

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Transportation of QOS mapping information

Country of registration:

Application no.: 990009, 990253

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration:

Application no.: PCT/FI00/00003

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

PCT

Country of registration: Application no.: 9803135 Patent no.: 9803135

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration: KR

Application no.: 99-7008369

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

UMTS Project:

Title: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: ΑU Application no.: 48209/93 681595 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,

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: CA

Application no.: PCT/EP98/06360

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration:

961313

Application 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

Project: UMTS

Title: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: JΡ

Application no.: 7-509576

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

NO 961194

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 08/619461 Patent no.: 6009328

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 optimal scheduling of slotted-mode related measurements in a cellular radio Title:

system Country of registration:

Application no.:

Notes:

PCT/FI99/00927

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: ΑU Application no.: 62164/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: CN

Application no.: 99802910.6

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

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

Company name: Nokia Corporation

UMTS Project:

Title: Audio coding method and apparus

Country of registration:

CN 98104180.9

Application 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,

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:

Application no.: 19811039.1

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: **Nokia Corporation**

Project: **UMTS**

Title: Audio coding method and apparus

Country of registration: **EPO** Application no.:

98904191.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: **UMTS**

Refined TX-AA mode Title:

Country of registration: **PCT**

Application no.: PCT/EP99/03440

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

Country of registration: NO Application no.: 19991095

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FΙ

Country of registration:

Application no.: 971108

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

UMTS Project:

Title: Mobile communications

Country of registration: US Application no.: 08/996929 5946634 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,

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

Company name: Nokia Corporation

UMTS Project:

Mobile communications Title:

Country of registration:

Application no.: 99-7005960

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

JP

Country of registration:

Application no.: 10-529608

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 communications Title:

Country of registration: CN Application no.:

97181963.7

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,

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: BR

Application no.: 9713654-9

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**

Method and device for voice activity detection and a communication device Title:

Country of registration: US Application no.: 08/763975 Patent no.: 5963901

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

JΡ Country of registration:

Application no.: 08-331874

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project:

Title: Audio coding method and apparus

Country of registration:

10-63514

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

Project: UMTS

Title: Data transmisson method, and radio system

Country of registration: Application no.:

09/230496

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration: Application no.:

ΑU 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.

Company name: Nokia Corporation

Project: **UMTS**

Title: Data transmisson method, and radio system JP

Country of registration: Application no.:

10-512290

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

FΙ 963518

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **EPO** Application no.:

97940174.2

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: Nokia Corporation

Project: UMTS

Title: Data transmisson method, and radio system

Country of registration: Application no.:

97197705.4

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**

Data transmisson method, and radio system

Country of registration: ΑIJ 42105/97 Application no.: Patent no.: 723996

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Application no.:

US 09/036102

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 980357 Patent no.: 106285

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

UMTS Project:

Title: A handover measurement and reporting scheme

Country of registration: JP

Application no.: 2000-532992

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 handover measurement and reporting scheme Title:

Country of registration:

Application 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,

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.: 9800776-8

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title: **EPO**

Country of registration: Application no.:

96118504.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: Title:

Multiple pilot signals in a CDMA cellular communication system

Country of registration: ΑU Application no.: 5820896 Patent no.: 707721

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.: 972278 Patent no.: 105377

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 transmitting two parallel channels using code division and an apparatus realising the method

Title: Country of registration:

98304282.1 Application no.:

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

UMTS Project:

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: DF 19823504.6

Application 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,

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

Company name: Nokia Corporation

Project:

Method for transmitting two parallel channels using code division and an apparatus realising the method Title:

CN

Country of registration:

Application no.:

98109343.4 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: PI9801707-1

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: Nokia Corporation

Project: **UMTS** Title:

Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.:

US

Notes:

08/776263 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: Title:

Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.:

NO 970300

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

8535425

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 952532 Patent no.: 98171

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: Outer loop power control signaling between radio network controller and base station in WCDMA systems

Country of registration: PCT

Application no.: PCT/FP98/07931

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:

Multiple pilot signals in a CDMA cellular communication system Title:

Country of registration: CN

Application no.: 96190676.6

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: **UMTS**

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

Application no.:

1164/MAS/98

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 implementing macrodiversity

Country of registration: Application no.:

Notes:

US 09/520387

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 of implementing macrodiversity

Country of registration:

NO 20001225

Application 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: Method of implementing macrodiversity

Country of registration: JP

Application no.: 2000-511310

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 9736562
Patent no.: 103446

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 98943911.2

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: Nokia Corporation

Project: UMTS

Title: Method of implementing macrodiversity

CN

Country of registration:

Application no.: 98809032.5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

plication no.: 91638/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: UMTS

UIVI I S

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS Country of registration: US

Country of registration: Application no.:

09/638463

Notes:

09/638463

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: UMTS
Title: Impro

Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration:

2000-531967

Application 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 items and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project:

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.:

96919814

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: NO Application no.:

19995801

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: Information transmission in a telecommunications system

Country of registration:

2000-510304 Application 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,

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: IN

Application no.:

1858/MAS/98 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration:

Application no.: 973394

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 98939666.8

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**

Information transmission in a telecommunications system Title:

Country of registration: CN

Application 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:

Title: Information transmission in a telecommunications system

Country of registration: CA

Application no.: 2300986

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 station employing selective discontinuous transmission for high speed data services

Country of registration: US Application no.: 08/882822 Patent no.: 6137789

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

UMTS Project:

Title: Mobile station employing selective discontinuous transmission for high speed data services

Country of registration: KR Application no.: 98-21536

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Mobile station employing selective discontinuous transmission for high speed data services Title:

Country of registration:

Application no.:

10-178955 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 9811666.8 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: Application no.:

US 09/424081

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Application no.:

99102590.2

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,

Project: UMTS

Title: Data communication and radio system

Country of registration: JΡ

Application no.: 11-551218

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: Application no.: 980703 Patent no.: 106663

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

UMTS Project:

Title: Data communication and radio system

Country of registration: **EPO** Application no.: 99913326.7

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,

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

Company name: Nokia Corporation

Project: **UMTS**

Data communication and radio system Title:

Country of registration: CN

Application no.: 99800395.6

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: **UMTS**

Title: Data communication and radio system

Country of registration: Application no.:

31488/99

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.

Company name: Nokia Corporation

Project: **UMTS** Title:

Method for transmitting two parallel channels using code division and an apparatus realising the method US

Country of registration:

09/086077

Application 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,

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

Company name: Nokia Corporation

Project: Title:

Country of registration:

Method for transmitting two parallel channels using code division and an apparatus realising the method

Application no.:

RU 98110072

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.:

98-19478

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

Notes:

Method for transmitting two parallel channels using code division and an apparatus realising the method

JP 140709/1998

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project:

UMTS Title:

controllers

A method and a system for controlling a macrodiversity connection through at least two radio network

Country of registration:

Application no.:

CA 2320101

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: Notes:

UMTS

Mobile station employing selective discontinuous transmission for high speed data services **EPO**

98305055.0 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: Nokia Corporation

Project: **UMTS**

Title: High speed data 1

Country of registration:

Application no.:

8-511420

JP

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

Improving user data packet transmission in inter SGSN routing area update in GPRS Title:

Country of registration: FΙ Application no.: 980340 Patent no.: 106424

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

UMTS Project:

Title: High speed data 2 KŘ

Country of registration: Application no.: 701981

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 Company name:

Project: UMTS

Title: High speed data 2

Country of registration:

JP 8-511421

Application 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,

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.: 944488, 971270

Patent no.: 96558

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

UMTS Project:

Title: High speed data 2

Country of registration: **EPO** Application no.: 95932032 Countries applicable: HK

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

Proiect: **UMTS**

Title: High speed data 2 Country of registration: CŇ Application no.: 95195967.0

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.

Nokia Corporation Company name:

Project: **UMTS**

Title: High speed data 2

Country of registration: CĂ Application no.: 2200307

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑŪ Application no.: 35240/95 Patent no.: 696802

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,

Nokia Corporation Company name:

Project: **UMTS**

Title: High speed data 1

Country of registration: UŠ

Application no.: 08/817963. 08/676023

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 US

Country of registration:

Application no.: 08/817331, 09/506735, CPA08/817331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR Application no.: 701980

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: Delay control method

Country of registration: CA 2325446 Application 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,

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

Company name: Nokia Corporation

Project: **UMTS**

High speed data 1 Title: Country of registration: FΙ Application no.: 944487, 971269

Patent no.: 96557

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** 95932031 Application 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

UMTS Project:

Title: High speed data 1 Country of registration: CN

Application no.: 95195966.2

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,

Project: UMTS

Title: High speed data 1

Country of registration: CĂ Application no.: 2200308

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU Application no.: 35239/95 Patent no.: 701594

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 arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

> system PCT

Country of registration:

Application no.: PCT/FI99/00927

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Proiect: **UMTS**

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system US

Country of registration: Application no.: 09/435910

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 arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

Country of registration: JΡ Application no.: 11-318161

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ

982432

Application 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: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

Country of registration:

Application no.:

ÉΡΟ

PCT/FI99/00927 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: SĞ 9701460-9 Application no.: Patent no.: 39174

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: Multiple flow with same QOS profile in a PDP context

Country of registration: US

Application no.: 09/763001

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

Proiect: **UMTS**

Title: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system

Country of registration:

Application no.:

CN PCT/FI99/00927

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: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: CA Application no.: 2317448

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 handover measurement and reporting scheme

Country of registration:

Application no.: 99803036.8

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 delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.:

PCT PCT/FI99/00518

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 ÚŚ

Country of registration:

Application no.:

Notes:

09/719589

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

2000-555454

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes:

981387

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

ÉPO

Application no.: Notes:

99931292.9

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.

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.:

Notes:

CN 99807122.6

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,

Project: UMTS

Title: High speed data 2

Country of registration: SG Application no.: 9701451-8 Patent no.: 39164

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/FI99/00661

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: EPO 99903704.7

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,

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: JP

Application no.: 2000-565696

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 981722
Patent no.: 105969

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 99938409.2

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: Nokia Corporation

Project: UMTS

Title: Multiple flow with same QOS profile in a PDP context

Country of registration:
Application no.:

2339825

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Application no.: PI9912911-6

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: **UMTS**

Title: Delay control method

Country of registration: US Application no.: 09/646776

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 2000-541783

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: Delay control method

Country of registration: FΙ Application no.: 980735

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

EPO Country of registration:

Application no.:

99913335.8 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 99804786.4

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 for delivering messages in a wireless communications system using the same protocol for all Title:

types of messages

Country of registration: BR

Application no.: PI9911243-4

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: EPO 01953645.7

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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: BF

Application no.: PCT/FI01/00165
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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: CA

Application no.: PCT/FI01/00165 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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: CN

Application no.: PCT/Fl01/00165 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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: EPO
Application no.: 01911784.5
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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: FI

Application no.: 20000407, 20000444

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,

Project:

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration:

Application no.: PCT/FI01/00165 **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**

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration:

PCT/FI01/00165 Application no.: **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: US

Application no.: PCT/FI01/00165 **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: **PCT**

Application no.: PCT/FI01/00165 **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: A method and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration: **EPO** Application no.:

99903708.8

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: INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS

Country of registration: CA

Application no.: PCT/EP01/00735 **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:

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: NO Application no.: 20010290 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS

Country of registration: GB Application no.: 0004178.0

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**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: Ш Application no.: 145606

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

Country of registration: JP Application no.: 2000-562043

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

Country of registration: PCT

Application no.: PCT/EP01/00735 **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.

Nokia Corporation Company name:

Project: **UMTS**

CN DOMAIN SPECIFIC HFN Title:

Country of registration: FΙ

Application no.: 20000479, 20001052 **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,

Nokia Corporation Company name:

Project: **UMTS**

Title: CN DOMAIN SPECIFIC HFN

Country of registration: PCT

Application no.: PCT/FI01/00202 TS 33.102, TS 25.331 **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**

METHOD TO CALCULATE TRUE ROUND TRIP PROPAGATION DELAY AND UE LOCATION IN Title:

WCDMA/UTRAN

Country of registration: US 09/571624 Application no.: **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**

Title: METHOD TO CALCULATE TRUE ROUND TRIP PROPAGATION DELAY AND UE LOCATION IN

WCDMA/UTRAN

Country of registration: **PCT**

Application no.: PCT/IB01/00385 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

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: CN

Application no.: 99810886.3 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.

Nokia Corporation Company name:

Project: **UMTS**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: ΑU Application no.: 28485/01

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

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: US Application no.: 09/679791

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: CONTROLLING OF UE BEHAVIOUR IN REJECTION OF RRC CONNECTION SETUP ATTEMPT

Country of registration: PCT

Application no.: PCT/FI01/00038
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 AEEI LATES hereby declars that they are proposed to great irreversely licenses.

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

Country of registration: BF

Application no.: Pl9915079-4
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

Country of registration: CA
Application no.: 2348457
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

Country of registration: CN
Application no.: 99812954.2
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

Country of registration: EPO
Application no.: 99956043.6
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: DYNAMIC
Country of registration: FI
Application no.: 982417
Patent no.: 107220
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,

Project:

Title: DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS

Country of registration:

Application no.: 2000-581832 TS 25.302 **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: DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS

Country of registration: Application no.: 09/831013 **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.

Company name: **Nokia Corporation**

Project: **UMTS**

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration: PCT

PCT/FI99/00925 Application no.: **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**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration: **PCT**

Application no.: PCT/EP00/01127 **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**

Title: MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: JΡ

Application no.: 2000-305357 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**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration: US Application no.: 09/741135 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,

Project:

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: PCT

Application no.: PCT/FI00/00863 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**

Title: RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS

Country of registration: FΙ

Application no.: 19992369

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: JP

Application no.: 2000-321477 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.

Company name: Nokia Corporation

Project: **UMTS**

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS Title:

Country of registration: US

Application no.: 09/704205 **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.: PCT/FI00/00955 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**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration: ΑU Application no.: 25482/00 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.

Project:

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: CN Application no.: 00800870.1 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: **EPO** Application no.: 00903687.2 **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.

Company name: **Nokia Corporation**

Project: **UMTS**

UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA Title:

Country of registration: JP

Application no.: 2000-620753

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**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: JP Application no.: 2000-570990 **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:

Application no.: 19992174 Patent no.: 107671

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

UE OUT-OF-SYNC HANDLING PROCEDURE IN UTRA TDD Title:

Country of registration: US Application no.: 09/513417

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:

Title: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: Application no.: 99942934.3 **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: FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING

Country of registration: Application no.: 20000043 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.

Company name: **Nokia Corporation**

Project: **UMTS**

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title:

Country of registration: JP Application no.: 2001-2770

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

Project: **UMTS**

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title:

Country of registration: US Application no.: 09/757917 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

Project: **UMTS**

FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING Title:

Country of registration: PCT

Application no.: PCT/FI01/00016 **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.

Company name: Nokia Corporation

Project: **UMTS** Title:

ADVANCED N-PDU NUMBERING IN PDCP LAYER

Country of registration: FΙ

Application no.: 20000314, 20001792

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:

Title: ADVANCED N-PDU NUMBERING IN PDCP LAYER

Country of registration: Application no.: 09/779979 **ETSI Deliverable:** TS 25.323

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: ADVANCED N-PDU NUMBERING IN PDCP LAYER

Country of registration: **PCT**

Application no.: PCT/FI01/00129 **ETSI Deliverable:** TS 25.323

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**

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS Title:

Country of registration: FΙ

Application no.: 20000315

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

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD Title:

Country of registration: US

Application no.: US09/726079 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

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS Title:

Country of registration: PCT

Application no.: PCT/FI01/00130 **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.

Company name: Nokia Corporation

Project: **UMTS**

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD

Country of registration:

Title:

JΡ Application no.: 2000-361468 TS 25.222

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 **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**

Proiect: **UMTS**

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

Country of registration:

Application no.: 20000463 **ETSI Deliverable:**

TS25.215, 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**

Title: INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP

GENERATION METHOD

Country of registration: US

Application no.: 09/792455 ETSI Deliverable: TS25.215, 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**

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

Country of registration: **PCT**

Application no.: PCT/FI01/00196 **ETSI Deliverable:** TS25,215, 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**

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration: US

Application no.: 09/803677, 60/188649

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration:

PCT Application no.: PCT/IB01/00337 **ETSI Deliverable:** TS 31.102

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,

Project:

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

Country of registration: Application no.: 20000701 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

Country of registration:

JΡ Application no.: 2001-48917 **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.

Company name: **Nokia Corporation**

Project: **UMTS**

SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER Title:

Country of registration: US Application no.: 09/790469 **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**

SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER Title:

Country of registration: **PCT**

Application no.: PCT/FI01/00189 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

ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS Title:

Country of registration: US Application no.: 09/780529

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.

Company name: Nokia Corporation

Project: **UMTS**

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA Title:

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration: PCT

Application no.: PCT/FI00/00731 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,

Project: UMTS

VARIABLE LENGHT ENCODING OF COMPRESSED DATA Title:

Country of registration:

Application no.: 09/536638, 60/164330

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:

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: US Application no.: 09/394951 **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: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: PCT

Application no.: PCT/FI99/00728 **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

Proiect: **UMTS**

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA Title:

DURING CERTAIN HANDOVERS

Country of registration: CN Application no.:

998136247 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: **EPO** Application no.: 99958201.8

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**

Title: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA

DURING CERTAIN HANDOVERS

Country of registration: Application no.: 982531 Patent no.: 107864

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,

Project: UMTS

Title: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL TIME DATA

DURING CERTAIN HANDOVERS

JР Country of registration:

2000-584714 Application no.: ETSI Deliverable: TS 25.303, 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.

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: US

Application no.: 09/443262

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.: PCT/FI99/00964 **ETSI Deliverable:** TS 25.303, TS 25.322

Notes:

PCT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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/FI00/01037 Application no.: **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

UMTS Project: Title:

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration: Application no.:

US 09/649770

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: **UMTS**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: FΙ Application no.: 981979 Patent no.: 108200 **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,

Project:

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: CN

Application no.: PCT/FI00/00620 **ETSI Deliverable:** TS25.211

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**

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: **EPO**

Application no.: PCT/FI00/00620 **ETSI Deliverable:** TS25,211

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**

METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS Title:

Country of registration: FΙ Application no.: 991589 **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: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: JP Application no.: PCT/FI00/00620

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**

METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS Title:

Country of registration: KR

Application no.: PCT/FI00/00620 **ETSI Deliverable:** TS25.211

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**

METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS Title:

Country of registration: US

Application no.: PCT/FI00/00620 **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,

Project:

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: PCT

Application no.: PCT/FI00/00620 **ETSI Deliverable:** TS25.211

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**

Title: TRANSFER OF XID PARAMETERS DURING HANDOVER

Country of registration: US

Application no.: 09/716629, 60/167924 **ETSI Deliverable:** TS 25.331, TS 23.060

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.

Company name: **Nokia Corporation**

Project: **UMTS**

TRANSFER OF XID PARAMETERS DURING HANDOVER Title:

Country of registration: PCT

Application no.: PCT/IB00/01709 **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

Title: MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD

Country of registration: Application no.: 19992561 **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**

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA Title:

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration:

Application no.: 19991834 Patent no.: 107674

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: UMTS Title:

A method for controlling connections to a mobile station

Country of registration:

Application no.: 980736, 20010001

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Packet routing in GSM interoperator network

Country of registration: SG Application no.: 9705557-8 Patent no.: 49522

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: Inter-system handover measurement initiation mechanism

Country of registration: Application 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,

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: PCT

Application no.: PCT/FP99/00452

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project:

Modification to GPRS specifications for 3rd generation cellular systems Title:

Country of registration: PCT

Application no.: PCT/FI00/00357

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration:

Application no.:

PCT/FI00/00357

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:

Modification to GPRS specifications for 3rd generation cellular systems

Country of registration: JΡ

Application no.: 2000-506260

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: Title:

Modification to GPRS specifications for 3rd generation cellular systems

Country of registration:

991466

Application 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:

Title: Modification to GPRS specifications for 3rd generation cellular systems

Country of registration:

Application no.: 00920784.6

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:

Modification to GPRS specifications for 3rd generation cellular systems

Country of registration:

BR

Application no.:

PI0006854-3

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,

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

Nokia Corporation Company name:

Project: **UMTS**

Title: Secure detach procedure CA

Country of registration: Application no.:

2320464

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

Application no.:

2000-541842 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Country of registration: CN

Application no.:

98813557.4

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 method for controlling connections to a mobile station

Country of registration: Application no.: 99913334.1

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.

Nokia Corporation Company name:

Project: **UMTS**

A method for controlling connections to a mobile station Title:

Country of registration: CN 99805061 Application 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: A method for controlling connections to a mobile station

Country of registration:

Application no.: PI9909307-3

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: A method and a system for controlling a macrodiversity connection through at least two radio network

controllers US

Country of registration:

Application no.:

09/622240

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

UMTS Project:

Title: A method and a system for controlling a macrodiversity connection through at least two radio network

controllers JP

Country of registration:

Application no.:

2000-531914

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

Proiect: **UMTS**

Title: A method and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration: Application no.:

Patent no.:

980348, 981811

106667

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration:

Application no.:

MY PI9803775

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 CN

Country of registration:

Application no.:

99803016.3 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,

Project: **UMTS**

Title: A handover method, and a cellular radio system

Country of registration:

Application no.: 09/043012, 09/756851

Patent no.: 6198928

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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.: 20000090 **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: A method for controlling connections to a mobile station

Country of registration: US

09/647132

Application no.:

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

Proiect: **UMTS**

Title: Encoding blocks for turbo codes CN

00800593.1

Country of registration:

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

Nokia Corporation Company name:

Project: **UMTS**

Title: Handling of classmarks

Country of registration: PCT

Application no.:

PCT/IB00/01180

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: **UMTS**

Title: Handling of classmarks

Country of registration: GB

Application no.: 9918636.3

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.

Company name: Nokia Corporation

UMTS Project:

Title: Usage of AMR speech codec in WCDMA

Country of registration: PCT

Application no.: PCT/FI00/00615

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: 09/609880

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

991536

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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 new timing proposal for RACH

Country of registration: **PCT**

Application no.:

PCT/EP99/03630

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: Encoding blocks for turbo codes

Country of registration: PCT

Application no.:

PCT/FI00/00322

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: US

Country of registration:

Application no.:

09/719585

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: Encoding blocks for turbo codes

Country of registration: JP

Application no.: 2000-613080

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**

Inter-system handover measurement initiation mechanism

Country of registration: PCT

Application no.: PCT/FI00/00470

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

00918918.4

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

NO 973177

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.:

2333109

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: Encoding blocks for turbo codes

Country of registration: BR

Application no.: PI0006049-6

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: **UMTS**

Mip advertisement Title:

Country of registration: PCT

Application no.: PCT/FI00/00504 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: FΙ Application no.: 991297

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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**

Maintenance of data integrity in a 3G network Title:

Country of registration: PCT

Application no.: PCT/FI00/00025

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Maintenance of data integrity in a 3G network

Country of registration: Application no.: 990071 Patent no.: 106497

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **PCT**

Application no.: PCT/FP98/08064

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

UMTS Project:

Title: Secure detach procedure

Country of registration: US Application no.:

09/627684

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Country of registration: JΡ

Application no.: 2000-587560

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: Secure detach procedure

EPO

Country of registration: Application no.:

98965808.3

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,

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: FΙ Application no.: 990863 Patent no.: 106758

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: EARLY INTEGRITY CHECK

Country of registration: FI
Application no.: 991088
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

Title: Packet routing in GSM interoperator network

Country of registration: US Application no.: 08/875464 Patent no.: 5970059

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: UMTS

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

Country of registration: EPO
Application no.: 00901129.7
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

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

Country of registration: JP Application no.: JP 2000-605413

Application no.: 2000-605413 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

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

Country of registration: US

Application no.: PCT/EP99/03275
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

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

Country of registration: PCT

Application no.: PCT/EP99/03275 **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:

Title: A NEW PROCEDURE TO RELEASE RADIO BEARER IN UMTS

Country of registration: Application no.: 9913092.4

ETSI Deliverable: TS 25.413, TS 23.060

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: A NEW PROCEDURE TO RELEASE RADIO BEARER IN UMTS

Country of registration: **PCT**

Application no.: PCT/EP00/04231 **ETSI Deliverable:** TS 25.413, TS 23.060

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.

Company name: **Nokia Corporation**

Project: **UMTS**

TELECOMMUNICATION NETWORK Title:

Country of registration: CN

Application no.: PCT/EP99/04520

ETSI Deliverable: TS23.002

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

TELECOMMUNICATION NETWORK Title:

Country of registration: **PCT**

Application no.: PCT/EP99/04520 **ETSI Deliverable:** TS23.002

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**

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration: US Application no.: 09/326958 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**

EARLY INTEGRITY CHECK Title: CN

Country of registration:

Application no.: PCT/FI00/00421 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,

Project:

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

Country of registration: KR

Application no.: 2000-27490 **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: EARLY INTEGRITY CHECK

Country of registration: US

Application no.: PCT/FI00/00421 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**

EARLY INTEGRITY CHECK Title:

Country of registration: PCT

Application no.: PCT/FI00/00421 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.

Company name: Nokia Corporation

Project: **UMTS**

RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION Title:

Country of registration: GB Application no.: 9921706.9

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

Project: UMTS

RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION Title:

Country of registration:

Application no.: PCT/EP00/09100

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

Project: **UMTS**

USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW Title:

BANDWIDTH ENVIRONMENT

Country of registration:

Application no.: 09/434384

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: USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW

BANDWIDTH ENVIRONMENT

Country of registration: PCT

Application no.:

PCT/US00/29846

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 APPROACH FOR CELL-ID DETERMINATION IN A WCDMA SYSTEM

Country of registration: GB 0000528.0 Application no.: **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**

AN APPROACH FOR CELL-ID DETERMINATION IN A WCDMA SYSTEM Title:

Country of registration: PCT

Application no.: PCT/EP00/13044 **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**

Title: SECURITY INTERWORKING BETWEEN RELEASE 98 AND 99 MSC/VLRS FOR ROAMING USIMS

Country of registration: **PCT**

Application no.: PCT/EP99/08422 **ETSI Deliverable:** TS 33.102, TS 29.002

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**

A handover measurement and reporting scheme Title:

Country of registration: CA Application no.: 2320775

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration: CA

Application no.: PCT/FI00/00421 **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,

Project:

Title: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: Application no.: 99946201.3 **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**

Title: Packet routing in GSM interoperator network

Country of registration: Application no.:

8-521459

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Packet routing in GSM interoperator network

Country of registration: FΙ Application no.: 950116 Patent no.: 98586

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**

Proiect: **UMTS**

Title: Packet routing in GSM interoperator network

Country of registration: **EPO** Application no.: 96900336.7 HK

Countries applicable:

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: CN Application no.: 96191857.8

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Application no.: 2209715

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: Packet routing in GSM interoperator network

Country of registration: ΑU Application no.: 43928/96 Patent no.: 702765

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: EPO Application no.: 00944072.8

ETSI Deliverable:

TS04.04, TS24.008, 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.

Company name: **Nokia Corporation**

Project: **UMTS**

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM Title:

Country of registration: FΙ Application no.: 991521

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

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM Title:

Country of registration: **PCT**

PCT/FI00/00595

Application no.:

TS04.04, TS24.008, 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, 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 **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**

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title: Country of registration: CN

Application no.: 99811183.X **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,

Project: UMTS

Title: VARIABLE LENGHT ENCODING OF COMPRESSED DATA

Country of registration: PCT

Application no.: PCT/US00/41773

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

UMTS Project:

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title:

Country of registration: FΙ Application no.: 982029 Patent no.: 105438 **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: JP

Application no.: 2000-571686 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:

Country of registration: US Application no.: PCT/FI99/00770

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:

Country of registration: PCT

Application no.: PCT/FI99/00770 **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**

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES BR

Country of registration: Application no.: PI0002069-9 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.

Project: UMTS

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration: CN **Application no.:** 00118184.X

Application no.: 00118184.X ETSI Deliverable: TS 22.038 Notes: The SIGNAT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO
Application no.: 00304490.6
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: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

Country of registration: FEATURES

Application no.: 01103525.7 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: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration: IN

Application no.: 198/MAS/2000 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: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES
Country of registration: JP

Application no.: 2000-171986
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: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: CA
Application no.: 2345034
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,

Project: UMTS

Title: SIGNAL CODING

Country of registration: US
Application no.: 09/255894
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

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration: BF

Application no.: Pl9801567-2 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: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: NO
Application no.: 19995709
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

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: US
Application no.: 09/628868
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

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: PCT

Application no.: PCT/Fl99/00224 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

SIGNAL CODING

Country of registration: Application no.: 2

AU 25240/99

ETSI Deliverable:

TS 45.003

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,

Nokia Corporation Company name:

Project: UMTS

Title: SIGNAL CODING

Country of registration: CN Application no.:

99803189.5

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**

Title: SIGNAL CODING

Country of registration: **EPO** Application no.: 99904895.2 **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.

Company name: Nokia Corporation

Project: **UMTS**

SIGNAL CODING Title:

Country of registration: FΙ Application no.: 980431 Patent no.: 107665 **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.

Company name: Nokia Corporation

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration: FΙ Application no.: 980650 Patent no.: 107201 **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**

SIGNAL CODING Title:

Country of registration: JΡ Application no.: 2000533945

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: **EPO** Application no.: 99911826.8 **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,

Nokia Corporation Company name:

Project: **UMTS**

Title: SIGNAL CODING Country of registration: PCT Application no.: PCT/FI99/00133

WO99/44294 Patent no.: **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.

Company name: Nokia Corporation

Project: **UMTS**

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: ΑIJ Application no.: 43868/97 Patent no.: 723472

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**

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: CN

Application no.: 97198217.1

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.

Nokia Corporation Company name:

Project:

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

EPO Country of registration: Application no.: 97942054.4

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.: 963814 Patent no.: 104141

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,

Project: UMTS

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: JP

Application no.: 10-515313

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

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: NO Application no.: 19991398

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

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: US

09/269226

Application no.:

TR 22.925, TR 23.907

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

Application no.: 99812412.5 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

Title: SIGNAL CODING

Country of registration: IN

Application no.: PCT/2000/00421/CHE

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

Title: GUARANTEED SERVICE SELECTION

Country of registration: US Application no.: 09/367921

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: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration:

Application no.: 98101125.9

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

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: FΙ Application no.: 982283 Patent no.: 107109 **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**

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: JP

Application no.: 2000-577846 **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**

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: US Application no.: 09/830028 **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**

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: PCT

Application no.: PCT/FI99/00868 **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**

GUARANTEED SERVICE SELECTION Title:

Country of registration: CA Application no.:

2283264

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: CN

Application no.: 99800032.9

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**

Title: **GUARANTEED SERVICE SELECTION**

Country of registration: **EPO** Application no.: 99900478.1 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.

Company name: Nokia Corporation

Project: **UMTS**

ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK Title:

Country of registration: JP

Application no.: 11-550090 **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**

GUARANTEED SERVICE SELECTION Title: JΡ

Country of registration:

Application no.: 11-536779

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

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION Title:

Country of registration:

Application no.: 98109730.8 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**

GUARANTEED SERVICE SELECTION Title:

Country of registration: PCT

Application no.: PCT/FI99/00012 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:

Title: **GUARANTEED SERVICE SELECTION**

Country of registration: ZΑ Application no.: 99/0213 Patent no.: 99/0213

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

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: FΙ Application no.: 934629 Patent no: 97932 **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: JP Application no.: 7-511375 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 **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: PCT Application no.: PCT/FI94/00469 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: IS-95 POWER CONTROL FOR HSD

Country of registration: US

Application no.: 08/676043CIP Patent no.: 5991627 **ETSI Deliverable:** 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:

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: Application no.: 30368/99 **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**

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: Application no.:

99800362.X

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**

GUARANTEED SERVICE SELECTION Title:

Country of registration: FΙ Application no.: 980062 Patent no.: 106831

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**

Title: Method for establishing a signaling connection with a mobile station US

Country of registration:

Application no.: 09/647022

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: PCT/FI97/00570 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**

Title: Management of packet switched connections in a communication network

Country of registration: Application no.: 981485 106512 Patent no.:

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,

Project: UMTS

Title: Management of packet switched connections in a communication network

Country of registration: Application no.: 99932900.6

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**

Title: Management of packet switched connections in a communication network

Country of registration:

Application no.:

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**

Title: Management of packet switched connections in a communication network

Country of registration: CA Application no.: 2301674

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: Location update method and inter core network entity handover method

Country of registration:

Application no.:

09/098216, 09/271191

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 handover method, and a cellular radio system

Country of registration: JP Application no.: 9-509874

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** Application no.: 99928487.0

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,

Project:

Title: Management of packet switched connections in a communication network

Country of registration: Application no.: 09/510893

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**

Location update method and inter core network entity handover method Title:

Country of registration: Application no.:

2334654

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Code allocation in soft handover

Country of registration: ΑU Application no.: 26750/00

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 establishing a signaling connection with a mobile station Title: JP

Country of registration:

Application no.: 2000-542947

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

980783

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

EPO 99913342.4

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 establishing a signaling connection with a mobile station

Country of registration: CN

Application no.: 99804784.8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: BI

Application no.: PI9909396-0

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: Nokia Corporation

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: US Application no.: 765067, Patent no.: 5930233

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: SG Application no.: 96122478 Patent no.: 36469

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 KR

Country of registration: Application no.:

plication no.: 707574

Notes: The 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: Nokia Corporation

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: JP
Application no.: 8533810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PH

Application no.: 1-1998-00021

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: EPO 98954346.7 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: UMTS

Title: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: AU **Application no.:** 52926/99

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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: CN

Application no.: 99809669.5

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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: EPO
Application no.: 99938418.3
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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: FI **Application no.:** 981757

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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: JP

Application no.: 2000-565689

ETSI Deliverable: TS 25 211, TS 25 212

ETSI Deliverable: TS 25.211, TS 25.212
Notes: The SIGNATORY has re-

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: NO Application no.: 20010732

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: US Application no.: 09/762696

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.

Company name: **Nokia Corporation**

Project: **UMTS**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: PCT

Application no.: PCT/FI99/00670 **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: Management of packet switched connections in a communication network

Country of registration: JP

Application no.: 2000-557636

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**

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration: CN

Application no.: 98814266X Patent no.: 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,

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

Company name: Nokia Corporation

UMTS Project:

A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION Title:

Country of registration: US

Notes:

Application no.: 851368, 09/255251, 09/255228, 08/851368

Patent no.: 6094426, 6091717

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:

Title: METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

JР Country of registration:

Application no.: 2000-575261 TS25.427 **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 TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration: US Application no.: 09/825898 **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:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration:

PCT Application no.: PCT/EP98/06334 **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: Code allocation in soft handover

Country of registration: US Application no.: 09/673579

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: **UMTS**

Code allocation in soft handover Title:

Country of registration: NO Application no.:

20005238

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: **UMTS**

Code allocation in soft handover Title:

Country of registration: JP

2000-600435

Application 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: Code allocation in soft handover

Country of registration: Application no.:

990363

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Code allocation in soft handover

Country of registration: Application no.:

EPO

00905100.4

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**

Code allocation in soft handover

Country of registration:

CN

Application no.:

00800191.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,

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

Country of registration: Application no.: **ETSI Deliverable:**

CA 2346128 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: **UMTS**

Title: SMS IN GPRS

Country of registration:

CN Application no.: 98800595.6

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** Title: SMS IN GPRS Country of registration: **PCT** Application no.: PCT/FI98/00294

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: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: EPO
Application no.: 97923109.9
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:
 FI

 Application no.:
 962128

 Patent no.:
 103170

 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: IN

Application no.: 1263/MAS/97 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: JP
Application no.: 9-541667
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: PH
Application no.: I-57073
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 TII AAJAN IDE

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: TH
Application no.: 037900
ETSI Deliverable: 03.81, TS09.02
Notes: The SIGNATOR

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: US

Application no.: 08/983318, CPA08/983318

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: CA
Application no.: 2227061
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: SMS IN GPRS
Country of registration: CA

Application no.: 2257189

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

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: AU
Application no.: 29001/97
Patent no.: 718787
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: SMS IN GPRS
Country of registration: EPO
Application no.: 98912536.4

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
Title: SMS IN GPRS

Country of registration: FI
Application no.: 971381
Patent no.: 105873

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,

Nokia Corporation Company name:

Project: UMTS SMS IN GPRS Title: Country of registration: IN

Application no.: 708/MAS/98

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**

Title: SMS IN GPRS

Country of registration:

JΡ 10-541201

Application no.: **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

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** SMS IN GPRS Title:

Country of registration: SG Application no.: 9806032-0 Patent no.: 60753

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: Application no.: 038940

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: TW

Application no.: 86110727 Patent no.: 098463

TS23.060, TS23.040, TS03.60, 03.40, TS29.002 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: **EPO** Application no.: 99952667.6 **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: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: **PCT**

Application no.: PCT/FI97/00298 **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**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: JΡ

Application no.: 11-247569

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: Speech Coding

Country of registration: PCT

PCT/FI98/00229 Application no.: **ETSI Deliverable:** TS 26.190, 06.90

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

PCT/FI99/00564 Application no.:

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

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: ΑIJ Application no.:

54251/99

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: UMTS

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: BR

Application no.: PI9912994-9 **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

UMTS Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: CN

Application no.: 99810506.6 **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 DE

Country of registration:

Application no.: 19941331.2 **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

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: FΙ Application no.: 981869 Patent no.: 105635

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

UMTS Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: FR Application no.: 9910952

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,

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

Project: UMTS

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: MI99A001858 **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: SMS IN GPRS

Country of registration: ZA Application no.: 98/2684 Patent no.: 98/2684

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

UMTS Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: 2001-7002028 **ETSI Deliverable:** TS 45.003, TS06.93

Notes:

KR

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: US Application no.:

09/387369

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:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: PCT

Application no.: PCT/FI99/00706 Patent no.: WO 00/13448 **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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: AR Application no.: 970105360

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,

Project:

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration:

Application no.: PI9705747.9 **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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: Application no.:

CN 97126203.9

ETSI Deliverable: Notes:

TS 26.193, TS26.192
The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FPO Application no.: 97309213.3

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: **UMTS**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration: JΡ Application no.: 9-313957 **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: **UMTS**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration: US

Application no.: 09/965303, 09/371332, 031047; 031321

Patent no.: 5960389

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: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: GB

Application no.: 9920153.5 **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: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration:

Application no.: 6-505939

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: SMS IN GPRS

Country of registration: Application no.:

US 09/194652

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**

SPEECH CODING Title:

Country of registration: US Application no.: 09/263439 **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:

Country of registration: **PCT**

Application no.: PCT/FI99/00112 **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**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title:

Country of registration: FΙ Application no.: 20000524 **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.

Company name: Nokia Corporation

Project: **UMTS**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title:

Country of registration: US Application no.: 09/797115 **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,

Project:

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: PCT

Application no.: PCT/FI01/00222 **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.

Company name: Nokia Corporation

Project: **UMTS**

A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER Title: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

TS 25.331, TS 25.321, TS 25.211 **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**

SPEECH CODING Title: JΡ Country of registration: Application no.: 2000-536069

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: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: FΙ Application no.: 923669 Patent no.: 91701

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

Company name: Nokia Corporation Project: UMTS

Title: SPEECH CODING Country of registration: IN

Application no.: PCT/FI99/00112 **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: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: NO Application no.: 941330 Patent no.: 306970

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

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: US **Application no.:** 08/211739

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

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: PCT

 Application no.:
 PCT/Fl93/00321

 Patent no.:
 WO9405095

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ET

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: AU
Application no.: 78574/94
Patent no.: 684842
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

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: CN
Application no.: 94193864.6
ETSI Deliverable: TS23.121

Notes: The SIGNATORY has notified FTSI that it is the

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

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

Company name: Nokia Corporation

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: EPO
Application no.: 94929571.1
Countries applicable: HK
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: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration:EPOApplication no.:98303427.3ETSI 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

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration: JF

Application no.: 119159/1998 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,

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 SCHEDULING PACKET DATA TRANSMISSION

Country of registration: KR
Application no.: 98-15985
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: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: EPO 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

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration:EPOApplication no.:00901634.6ETSI 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

Title: GPRS LCS GENERAL ARCHITECTURE

Country of registration: CN
Application no.: 99812676.4
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: **EPO** Application no.: 99954027.1 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: Application no.: 982331 **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.

Company name: **Nokia Corporation**

Project: **UMTS**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: JΡ

Application no.: 2000-579018 **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.

Company name: Nokia Corporation

Project: **UMTS**

GPRS LCS GENERAL ARCHITECTURE Title:

US Country of registration: Application no.: 09/830816 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: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: PCT

Application no.: PCT/FI99/00894 **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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: ΑIJ 22965/00 Application no.: **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:

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration:

Application no.: PCT/FI00/00036 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: SPEECH CODING

Country of registration: KR

Application no.: 2000-7008992 **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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: CN

PCT/FI00/00036 Application no.: **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: Location update method and inter core network entity handover method CN

Country of registration:

Application no.: 99808674.6

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: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: FΙ Application no.: 990102 **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

Company name: Nokia Corporation

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: JP

Application no.: 2000-595452 **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:

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: US Application no.: 09/903863 **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.

Company name: Nokia Corporation

Project: **UMTS**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: **PCT**

PCT/FI00/00036 Application no.: **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.

Company name: **Nokia Corporation**

Project: **UMTS**

SPEECH CODING Title:

Country of registration: BR

Application no.: PI9907665-9 **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: SPEECH CODING

Country of registration:

CN Application no.: 99803763.X 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:

Country of registration: **EPO** Application no.: 99903710.4

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.

Company name: Nokia Corporation Project: **UMTS** SPEECH CODING Title:

Country of registration: Application no.:

980532

FΙ

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,

Nokia Corporation Company name:

Project: **UMTS**

Title: SPEECH CODING

Country of registration: ΗK

Application no.: 01105589.5 **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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration:

PCT/FI00/00036 Application no.: **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.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration: BR

Application no.: PI9909387-

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Proiect: **UMTS**

Title: A handover method, and a cellular radio system NO

Country of registration:

Application no.:

Notes:

980874 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

EPO

Application no.: Notes:

99940435.3

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,

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

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

UMTS Project:

Title: Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission

Country of registration: Application no.:

PCT/EP00/03699 Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission

Country of registration: Application no.:

9911084.3

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,

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

Company name: **Nokia Corporation**

Project: UMTS

Title:

Country of registration:

Application no.:

Notes:

Power balancing between downlink DHO branches in a CDMA system

PCT/FI99/00257

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Country of registration:

Application no.:

Notes:

2000-542942

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ Application no.: 980780

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

Notes:

Flexible synchronization of WCDMA base stations

569534/2000

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 99804689.2

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.

Nokia Corporation Company name:

Project: **UMTS**

Flexible synchronization of WCDMA base stations Title:

Country of registration: US

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

Project:

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration:

Application no.: 09/287844

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

Notes:

Method and system for controlling the transmission power of certain parts of a radio transmission

RU 99107638

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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 system for controlling the transmission power of certain parts of a radio transmission

Title: Country of registration:

99-12393

Application 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,

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

Company name: Nokia Corporation

Project: **UMTS**

Title:

Country of registration:

JΡ Application no.:

Notes:

Method and system for controlling the transmission power of certain parts of a radio transmission

11-100987 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

Notes:

UMTS

Method and system for controlling the transmission power of certain parts of a radio transmission

HK

00102938.1

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.

Company name: Nokia Corporation

Project:

UMTS

981194

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.:

Patent no.: 106662

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Method and system for controlling the transmission power of certain parts of a radio transmission **EPO**

Application no.:

99302738.2

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,

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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO Application no.: 99911842.5

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO
Application no.: 92108904.1
Patent no.: 0503684

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Notes:

Title: Vector adaptive predictive coder for speech and audio

Country of registration: DE Application no.: 92108904.1 Patent no.: 0503684

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: NL Application no.: 90915956.8 Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: LI
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Flexible synchronization of WCDMA base stations

Country of registration: 6
Application no.:

9819482.2

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: Nokia Corporation

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: GR
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO Application no.: 95929130.3

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,

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: FR 90915956.8

Patent no.: 90915956.6

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: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: FI
Application no.: 952256
Patent no.: 98174

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
Notes: The SIGNATI

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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,

Project: UMTS

Title: Location update method and inter core network entity handover method

Country of registration: JP

Application no.: 2000-555450

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: DE
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CH
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: BE
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration:

Application no.: 90915956.8 Patent no.: 0516621

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 controlling communication resources Title:

Country of registration: Application 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,

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

Company name: Nokia Corporation

UMTS Project:

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: BR

Application no.: PI9901046-1

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.

Company name: Nokia Corporation

Project:

Method of ciphering data transmission, and cellular radio system Title: CN

Country of registration:

Application no.:

99802508.9 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**

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.:

PI9907196-7

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,

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

Country of registration: Application no.:

ΑIJ 20570/99

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.

Company name: Nokia Corporation

Project: UMTS Title:

Method in a packet network US

Country of registration:

09/283940

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

Project: UMTS

Title: Method in a packet network

Country of registration:

Application no.: 2000-542938

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: Application no.:

980761

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: Application no.:

99913333.3

EPO

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 ciphering data transmission, and cellular radio system

Country of registration: FΙ Application no.: 980209

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 controlling communication resources Title: US

Country of registration:

Application no.: 09/491524

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 ciphering data transmission, and cellular radio system

Country of registration:

Application no.: 2000/00204/CHE

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 controlling communication resources

Country of registration:

Application 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: Method of controlling communication resources

Country of registration:

Application no.: 2000-505760

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

IN

Country of registration:

Application no.: 1707MAS/98

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 973169 Patent no.: 104143

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 controlling communication resources Title:

EPO

Country of registration:

Application no.: 98936445.0

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: Nokia Corporation

Project: **UMTS**

Title: Method of controlling communication resources

Country of registration:

Application no.:

98807783.3

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,

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.:

CA 2297896

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

Company name: Nokia Corporation

Project: Title:

Information transmission in a telecommunications system

Country of registration: ZΑ Application no.: 98/7472 Patent no.: 98/7472

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Information transmission in a telecommunications system

Country of registration: Application no.:

09/504996

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

UMTS Project:

Title: Method for connection reconfiguration in cellular radio network

Country of registration: US Application no.: 09/627526

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 handover method, and a cellular radio system

Country of registration: CN

Application no.: 95197949.3

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: A handover method, and a cellular radio system

Country of registration: ΑU Application no.: 32605/95 Patent no.: 712159

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 09/073697 Patent no.: 6199035 **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,

Nokia Corporation Company name:

Project: **UMTS** Title: Speech coding Country of registration: ΚŔ

Application no.: 99-7009481 **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.

Company name: Nokia Corporation

Project: **UMTS** Speech coding Title:

Country of registration: JĖ

113808/1998 Application no.: **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.

Company name: Nokia Corporation

Project: **UMTS** Title: Speech coding Country of registration: IŃ

Application no.: 876/MAS/98 **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.

Company name: Nokia Corporation

Project: **UMTS**

Title: Speech coding Country of registration: FΙ Application no.: 980502

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: EPO Application no.: 98104785.5 **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.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system FPO

Country of registration:

Application no.: 99900905.3

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

Project: UMTS
Title: Speech coding
Country of registration: AU
Application no.: 64032/98

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: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: ES
Application no.: 90915956.8
Patent no.: 0516621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

Application no.: 2000-529860

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 980208
Patent no.: 106172

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 98941451.1

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: Nokia Corporation

Project: UMTS

Title: Method for connection reconfiguration in cellular radio network

Country of registration: CN

Application no.: 98813368.7

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:

Title: Method for connection reconfiguration in cellular radio network

Country of registration: CA Application no.: 2318480

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: **Nokia Corporation**

BR

Project: **UMTS**

Title: Method for connection reconfiguration in cellular radio network

Country of registration:

Application no.: PI9814925-3

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,

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

Country of registration: Application no.:

09/238313

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration: KR

Application no.: 2000-7008524

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 ciphering data transmission, and cellular radio system Title: JΡ

Country of registration:

Application no.: 2000-529857

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 98804901.5 **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: Title:

Speech decoder having post processing excitation

Country of registration: ΑU Application no.: 62309/96 Patent no.: 714752

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.: 9600918-8

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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

UMTS Project:

Title: Speech decoder having post processing excitation

Country of registration: ŔŪ Application no.: 98101107

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

JP

Project: **UMTS**

Speech decoder having post processing excitation Title:

Country of registration:

Application no.: 9-502809

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΙŃ

Application no.:

1054/MAS/96

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: Application no.: 90915956.8 Patent no.: 0516621

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: ĊN

Application no.: 96196226.7

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,

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

Country of registration: EE Application no.:

P9400344

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 decoder having post processing excitation Title:

Country of registration: BR

Application no.:

9608479-0

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: **Nokia Corporation**

Project: UMTS

Title: Virtual packet channel over cellular network

Country of registration: Application no.:

94306531.8

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Nokia Corporation

Project:

UMTS

Predictive split-matriz quantization of spectral parameters for efficient coding of speech Title:

Country of registration: US Application no.: 416019 Patent no.: 5664053

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

UMTS Project:

Predictive split-matriz quantization of spectral parameters for efficient coding of speech Title:

Country of registration: Application no.:

08-529817

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.:

Notes:

Predictive split-matriz quantization of spectral parameters for efficient coding of speech

CN 96193827.7

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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

Predictive split-matriz quantization of spectral parameters for efficient coding of speech Title:

Country of registration: Application no.:

Notes:

2216315

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

Application no.:

Notes:

BR

9604838.7 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: **Nokia Corporation**

Project: **UMTS** Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Title:

Country of registration: AU Application no.: 52633/96 Patent no.: 697256

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

Country of registration: **7**A Application no.: 96/1913 Patent no.: 96/1913

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.: 383968, 509525 Patent no.: 5701392

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**

Vector adaptive predictive coder for speech and audio Title:

Country of registration:

Application no.: 92108904.1 Patent no.: 0503684

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 5889770 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,

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: **EPO** 96913557

Application no.:

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

Country of registration: CN

Application no.:

96190461.5

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: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.: 2193379

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: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.: 5650696 Patent no.: 708324

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**

Framing technique for a multi-rate CDMA communication system Title:

Country of registration: US 712309 Application no.: Patent no.: 5859843

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: Framing technique for a multi-rate CDMA communication system

Country of registration: KR Application no.: 97-46432

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**

Proiect: **UMTS**

Title: Framing technique for a multi-rate CDMA communication system

Country of registration: JΡ

Application no.:

247260/1997

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: Framing technique for a multi-rate CDMA communication system

Country of registration: **EPO** Application no.: 97307038.6

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: **UMTS**

Title: Virtual packet channel over cellular network

Country of registration: CN

Application no.: 95100020.9

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

UMTS Project:

Title: Framing technique for a multi-rate CDMA communication system

Country of registration:

Notes:

Application no.: PI9704680-9

> 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,

Project:

Title: Speech decoder having post processing excitation

Country of registration: CA Application no.: 2224688

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.:

JΡ 7526100

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 HK

Country of registration: Application no.:

98112522.5

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.:

95915211.7

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,

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: Application no.:

95192480.X

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: Title:

Sophisticated location update for cellular mobile stations

Country of registration: ΑU Application no.: 2778795 Patent no.: 694242

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: US

Application no.: 08/724375, 09/143494 Patent no.: 5802465, 6167248

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**

Virtual packet channel over cellular network Title:

Country of registration:

JΡ 6-213046 Application no.:

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: Virtual packet channel over cellular network

Country of registration: FΙ Application no.: 933894 Patent no.: 97517

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**

Proiect: **UMTS**

Title: Framing technique for a multi-rate CDMA communication system

Country of registration:

CN Application no.: 97118537.9

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**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

FΙ 973241

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: NO

Application no.: 973472

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

> SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Country of registration:

Application no.: Notes:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

MY PI9600300

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Application no.:

975997

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

KR 705372

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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**

JP

Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Application no.:

523852/96

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.: IT UD96A000012

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

IN 198CAL96

Application 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,

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

Application no.:

HK 98101406.9

Notes:

98101406.9
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:

UMTS

Title: Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registra Application no.: RÜ

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.: 9601426 Patent no.: 2730336

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**

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Title:

Country of registration: Application no.:

96900816.8 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech EŠ

Country of registration: Application no.:

9650025

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

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

Company name: Nokia Corporation

Project:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Title:

DE

Country of registration:

Application no.:

Notes:

19604273.9 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: UMTS

Title: Speech decoder having post processing excitation

Country of registration: Application no.:

96920925.3 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,

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.:

CA 2210765

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech BR

Application no.:

9607026.9

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,

Project: UMTS

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

ΑŬ 44796/96

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

AR 0335305

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: US 035615 Application no.: Patent no.: 4969192

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

JΡ Country of registration: Application no.: 84973/1988 Patent no.: 2887286

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

Country of registration: GĔ Application no.: 9602391.6 Patent no.: 2297671

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: Notes:

9602957

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.:

97116484

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

MY PI9600844

Application 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,

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: 97/06885 Application no.:

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: Nokia Corporation

Project: **UMTS**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: KR Application no.: 97-706298

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JP

Country of registration:

Application no.: 527130/96

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.: TO96A000174 01285305 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,

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:

422CAL96

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

Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: HK Application no.: 98100818.3 Patent no.: 1001846

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: Nokia Corporation

Project: **UMTS**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

CŇ 96193095.0

Application 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,

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

Company name: Nokia Corporation

UMTS Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: GB Application no.: 9605123.0 Patent no.: 2299001

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

Proiect: **UMTS**

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Country of registration: SĚ

Application no.:

9600437-9

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**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ES Application no.: 9650035 9650035 Patent no.:

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: Nokia Corporation

Project: **UMTS**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: EPO Application no.: 96903854.6 Patent no.: 0813736

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.:

19609170.5

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

CN Application no.: 96193196.5

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**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: Application no.: 2213740

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: BR

Application no.: PI9607144.3

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,

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:

ΑU 47811/96

Application 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, 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:

Application no.: P960101681

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**

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Title:

Country of registration: 7A Application no.: 96/0852 Patent no.: 96/0852

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

Application no.: 383968, 508801

Patent no.: 5754976

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: Nortel Northern Telecom Ltd.

Project: **UMTS** TD-CDMA Title: n/a

Country of registration:

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: n/a

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 **UMTS** Project: Title: W-CDMA Country of registration: n/a

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

Company name: OKI Electric Industry Co., Ltd.

Project: **UMTS**

Title: Spreading code generator and CDMA communication system (UTRA)

2.181.637 Application no.: Patent no.: Pending Countries applicable: CA

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 883.959 Patent no.: Pending Countries applicable: US

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 97-31736 Pending Patent no.: Countries applicable: KR

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 08-183593 Patent no.: Pending Countries applicable: JΡ

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.: 95103484,2 Countries applicable: DE, FR, GB

Notes: Pending for Japan, Korea and EPCDI. Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)

Country of registration:USApplication no.:397.676Patent no.:5.579.304

Countries applicable: US

Notes: Pending for Japan, Korea and EPCDI.

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.: 95-2360
Patent no.: 5.579.304
Countries applicable: KR

Notes: Pending for Japan, Korea and EPCDI.

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.: 07-000349
Patent no.: 5.579.304
Countries applicable: JP

Notes: Pending for Japan, Korea and EPCDI.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Channel modulation for code-division multiple-access systems (UTRA)

Application no.: 06-127933
Patent no.: Pending
Countries applicable: JP

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

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

Notes: Pending for Japan.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 96111548,2
Patent no.: Pending
Countries applicable: EPO

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 679.925
Patent no.: Pending
Countries applicable: US

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 96-30635
Patent no.: Pending
Countries applicable: KR

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 07-192062
Patent no.: Pending
Countries applicable: JP

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US
Application no.: 9609267,1
Patent no.: 5.689.815

Countries applicable: GB

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

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: CA

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US
Application no.: 434.650
Patent no.: 5.689.815
Countries applicable: US

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US
Application no.: 96-14312
Patent no.: 5.689.815
Countries applicable: KR

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: US
Application no.: 08-110634
Patent no.: 5.689.815
Countries applicable: JP

Notes: Pending for Japan, Korea, Canada and Great Britain.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 2.210.214
Patent no.: Pending
Countries applicable: CA

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Title: Spread code generation device for spread spectrum communication (UTRA)

Country of registration: US
Application no.: 06-091912
Patent no.: 5.631.922
Countries applicable: JP

Notes: Pending for Japan.

Company name: Omnipoint Project: UMTS

Title: W-CDMA, TD/CDMA

Country of registration: n/a

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: Panasonic Project: UMTS Title: W-CDMA Country of registration: n/a

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:

Philips UMTS

Country of registration: 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** n/a n/a

Title: Country of registration: 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: Title:

UMTS Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

BR

Application no.:

PI9506683-7

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with 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.

Title:

UMTS Dual Distributed Antenna Systems

Country of registration:

CH 94926602.7

Application 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

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:

Application no.:

PI9402213

MY

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Power Consumption in a Mobile Communications Receiver

Country of registration:

KP

Application no.: Notes:

P94/364 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MX

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Application no.: Patent no.:

9301231 182178

Countries applicable:

MX

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Application no.:

JP 515898/93

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: Application no.: 63295/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Coverage Area Antenna System for A CDMA Communication System

Country of registration: Application no.: 08/483.111 Patent no.: 5602834 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

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: PCT

Application no.: PCT/US96/09685

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Coverage Area Antenna System for A CDMA Communication System

Country of registration: JP

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 Project:

Title: **Dual Distributed Antenna System**

Country of registration: US Application no.: 08/370,769 Patent no.: 5533011 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

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: US Application no.: 08/112,392 Patent no.: 5513176 Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: RO Application no.: 94/01474

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW Application no.: 83109657

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

Project: UMTS

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

Application no.: 94045819.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SF

Application no.: 94926602.7 0667068 Patent no.: Countries applicable: 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: Qualcomm Inc.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: FS 94926602.7 Application no.: Patent no.: 0667068 Countries applicable: ES

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: **Dual Distributed Antenna Systems**

Country of registration: KR Application no.: 701609/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **7**A Application no.: 94/6418 Patent no.: 94/6418 Countries applicable: **7**A

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Notes:

Country of registration: SG

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU

Application 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

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: PT

94926602.7

Application 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

Project: **UMTS**

Title: **Dual Distributed Antenna System**

Country of registration: PCT

Application no.: PCT/US94/09657 - WO 95/06365

Patent 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

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: NI

94926602.7 Application no.: Patent no.: 0667068 Countries applicable: NL

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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** MC

Country of registration:

Application no.: 94926602.7

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Coverage Area Antenna System for A CDMA Communication System

Country of registration: TW Application no.: 85107887

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

licenses under the IPRs on terms and conditions which are 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**

Dual Distributed Antenna Systems Title:

Country of registration: GB Application no.: 94926602.7 Patent no.: 0667068

Countries applicable: GB

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 the Transmission Data Rate in a Multi-User Communications

System Fί

Country of registration: Application no.: 96/1113

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 Reliable Intersystem Handoff in a CDMA System

Country of registration: PCT

Application no.: WO 98/062390

Patent no.: n/a

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**

Linear Coverage Area Antenna System for A CDMA Communication System Title:

Country of registration: Application no.: 118563

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

Project: UMTS

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: 97/4421

Application 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

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: 7A Application no.: 94/6674

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU Application no.: 96107123

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT

PCT/US94/10087 - WO 95/07578 Application no.:

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 MX

Country of registration:

Application no.:

9406834

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 the Transmission Data Rate in a Multi-User Communications

System Country of registration: ΜY

Application no.: PI9402318

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 the Transmission Data Rate in a Multi-User Communications

System Country of registration: JĖ Application no.: 508779/95

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

Project: UMTS

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: ΙĹ

Application no.: 110880

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Apparatus And Method For Reducing Power Consumption In A Mobile Communications Receiver Title:

Country of registration: PCT PCT/US93/01981 - WO 93/18596

Application no.: Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ID

Application no.: P941506

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IUApplication no.: 94926602.7 Patent no.: 0667068

Countries applicable: HU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 **EPO**

Country of registration: Application no.: 94927369.2

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 the Transmission Data Rate in a Multi-User Communications Title:

System ĆŃ

Country of registration: Application no.: 94193342.3

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CĹ 1310/94 Application 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

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

BE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

AT 94920280.8

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

ΑU 71136/94

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 08/206,701 Patent no.: 5509015

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

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: US Application no.: 07/847,149 Patent no.: 5392287

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

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.:

KR 703124/94

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

Company name: Qualcomm Inc.

Project: UMTS

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

ZΑ

Application no.: 93/1406

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

SK PV1053/94

Application no.: 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

Project: UMTS

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: IŃ

Application no.: 831/MAS/94

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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration:

Application no.: 97842

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

BG

Country of registration: Application no.:

MX 9406513

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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: RO Application no.:

93/00776

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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: Application no.:

NO 93/2041

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΚP 93/246 Application no.: 29763 Patent no.:

Countries applicable: ΚP

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: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: MXApplication no.: 9102432 Patent no.: 173446 Countries applicable: MX

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 Project:

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: JΡ

502863/92

Application 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

Project: UMTS

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: Application no.: 100213 Patent no.: 100213 IL

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: Qualcomm Inc.

Project: **UMTS**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: HU Application no.: P9301626

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: FΙ Application no.: 93/2523

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: **EPO** Application no.:

92902074.1

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

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

Country of registration: SK Application no.: PV571/93

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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: Application no.: 2097066

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: KR

Application no.: 701741/93

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:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: BR

Application no.: PI9107213-1

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: ΑU Application no.: 91336/91 Patent no.: 652602

Countries applicable: ΑU

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 Decoupling Capacity from Coverage in a Wireless System

Country of registration: US Application no.: 08/709,244

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT Application no.: WO 98/09460

Patent no.: n/a

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 Application no.: 08/687,899

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Coherent Signal Processing for CDMA Communication System Title:

Country of registration: TW Application no.: 86110785

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: Coherent Signal Processing For CDMA Communication System

Country of registration: **PCT**

WO98/05128 Application no.:

Patent no.:

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 ID

Country of registration:

Application no.: P-972604

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: Coherent Signal Processing for CDMA Communication System

Country of registration: Application no.: 1470-97

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

Project: **UMTS**

Title: Coherent Signal Processing for CDMA Communication System

Country of registration: AR

Application no.: P970103424

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Method For Reducing Interference Generated By A Digital Communications Device Title:

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CZ

Application no.: PV1097/93

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**

Dual Distributed Antenna Systems

Country of registration:

Title:

1209/94 Application 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

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**

CL

Country of registration: JΡ Application no.: 507763/95 Countries applicable: JP

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

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: IL

Application no.:

110765

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IF

Application no.: 94926602.7 Patent no.: 0667068 ΙE

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

Title: **Dual Distributed Antenna Systems**

Country of registration:

Application no.: 801/MAS/94

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

ID P941435

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: GR Application no.: 3023316 Patent no.: 0667068 Countries applicable: GR

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **Dual Distributed Antenna Systems**

Country of registration: DE Application no.: 94926602.7 Patent no.: 0667068 Countries applicable: DE

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FR Application no.: 94956602.7 Patent no.: 0667068 Countries applicable: FR

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 95/1935

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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title:

Country of registration: RU

Application no.: 93043671.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: DK

94926602.7 Application no.: Patent no.: 0667068 Countries applicable: DK

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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: CN Application no.: 92104299

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA Application no.: 2147635

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **Dual Distributed Antenna Systems**

Country of registration: BR

Application no.: PI9405563-7

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 Project:

Title: **Dual Distributed Antenna Systems**

Country of registration: BE Application no.: 94926602.7 Patent no.: 0667068 Countries applicable: BE

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: AT

Title:

Application no.: 94926602.7 Patent no.: 0667068

Countries applicable: ΑT

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: ΑU Application no.: 76390/94 Patent no.: 0667068 Countries applicable: ΑIJ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CDMA Microcellular Telephone System and Distributed Antenna System Therefor

Country of registration: US Application no.: 07/849,651 Patent no.: 5280472

Countries applicable: US

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 High Speed Data Communications in a Cellular Environment

Country of registration: US **Application no.:** US 08/741,320

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 High Speed Data Communications in a Cellular Environment

Country of registration: PCT
Application no.: WO 98/19481

Patent no.: n/a

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: US

Application no.: 08/743,688

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.: n/a

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

licenses under the IPRs on terms and conditions which 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: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: TW
Application no.: 80109580
Patent no.: NI-58957
Countries applicable: 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

94/3538

FΙ

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 07/763,091 Patent no.: 5289527

Countries applicable: US

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: 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.: 37907/93

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 System for the Arrangement of Vocoder Data for the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.: 08/194.824 Patent no.: 5600754

Countries applicable: US

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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors Country of registration: TW

Application no.:

81101187

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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: KR

Application no.: 702605/94

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:

Project: **UMTS**

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: ZΑ Application no.: 93/0450 Patent no.: 93/0450

Countries applicable: ZΑ

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

Project: UMTS

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors PL

Country of registration: Application no.:

P305984

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 System For The Arrangement Of Vocoder Data For The Masking Of Transmission Channel

Induced Errors

Country of registration: **PCT**

Application no.:

PCT/US93/00703 - WO 93/15502

Patent no.: n/a 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 System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: Application no.:

NO 94/2751

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 Title:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

MX 930442

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**

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.:

99024

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

licenses under the IPRs on terms and conditions which are in accordance 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:

Project:

UMTS

Country of registration: IL

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

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

Induced Errors

Qualcomm Inc.

Application no.: Patent no.:

104500 104500

Countries applicable: Notes:

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

Qualcomm Inc. Company name:

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.:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors EPO

Country of registration:

Application no.: 93904649.6

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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: CN

Application no.: 93102375.0

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 System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: Application no.:

CA 2138708

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 System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

PI9305808-0

BR

ΑU

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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

35939/93

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

Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same Title:

Country of registration: US Application no.: 07/767,167 Patent no.: 5469452

Countries applicable: US

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: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration: ZΑ Application no.: 92/7123 Patent no.: 92/7123 Countries applicable: ZA

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

Project: UMTS

Title: Viterbi Decoder Bit Efficient Chainback Memory Method And Decoder Incorporating Same

Country of registration: PCT

Application no.: PCT/US92/08128

Patent no.: n/a

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

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

Company name: Qualcomm Inc.

MX

Project: **UMTS**

Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same Title:

Country of registration:

Application no.: 92-5487

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 IL

Country of registration:

Application no.: 103286

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**

Linear Coverage Area Antenna System for A CDMA Communication System Title:

Country of registration:

Application no.: 709104/97

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 Project:

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel Title:

Induced Errors JΡ

Country of registration: Application no.:

513395/93 Patent no.: 5600754 Countries applicable: JΡ

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 Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.: 94/01473

Notes:

RO

FPO

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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.: 93907228.6

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: Qualcomm Inc.

Project: **UMTS**

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver CZ

Title: Country of registration:

Application no.: PV2126/94

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

Project: UMTS

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: CN

Application no.: 93102803.5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

CA 2130663

Application no.:

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

BG

Country of registration: Application no.:

Notes:

99025 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 Power Consumption in a Mobile Communications Receiver Title: BR

Country of registration:

Application no.: PI9306033-5

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.

ΑU

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

37906/93 Application no.:

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 Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: US Application no.: 08/219,867

5544196 Patent no.:

Countries applicable: US

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

Qualcomm Inc. Company name:

Proiect:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Title:

Accessing a Base Station in a CDMA Cellular Communications System KR

Country of registration:

Application no.:

703125/94

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:

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: ZA Application no.: 93/1077 Patent no.: 93/1077 Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

BR Country of registration:

Application no.:

PI9306032-7

RU

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 Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.:

Notes:

94045877

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

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 Communication System

Country of registration: PCT

Application no.: PCT/US93/01982

Patent no.: n/a

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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: NO

Application no.:

93/5019

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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System ΚP

Country of registration:

Application no.:

P-94370

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:

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: MX Application no.: 9301230 Patent no.: 181453

Countries applicable: MX 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

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.:

515899/93

JΡ

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 Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: IL Application no.: 104910 104910 Patent no.:

Countries applicable: Ш

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

Qualcomm Inc. 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 HU

Country of registration:

Application no.:

P9402518

FΙ 94/4055

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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 Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application 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

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

Qualcomm Inc. Company name:

Project: UMTS

Title: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

EPO Country of registration:

Application no.:

Notes:

93907229.4 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: 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.:

C7

PV2127*94

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

licenses under the IPRs on terms and conditions which are 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:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: CN

Application no.:

93102620.2

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: SK

Application no.:

PV1054/94

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 Data Rate Determination Title:

Country of registration: PCT

Application no.: WO 98/19405

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Mobile Communications Device Registration Method

Country of registration: CA Application no.: 2118803

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 Project:

Title: Mobile Communications Device Registration Method

Country of registration: Application no.: 98642

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.:

PI9206522-8

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BE

Application no.: 92921020.1

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

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: AT

Application no.: 92921020.1

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

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: ΑU Application no.: 26706/92 Patent no.: 665784

Countries applicable: ΑU

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:

Project: **UMTS**

Title: Method And Apparatus For Providing An Alert With Information Signal Between A MSC and A Base

Station Country of registration: US Application no.: 08/792,554

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 an Alert with Information Signal Between a Mobile Switching Center

and a Base Station

Country of registration: **PCT** Application no.: WO 98/15072

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Position-and-Preference Based Service Selection in a Mobile

Telephone System

Country of registration: US

Application no.: 08/743,511

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

CZ

Country of registration:

Application no.:

PV642/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Rate Determination US

Country of registration:

Application no.: 08/741,232

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**

Mobile Communications Device Registration Method Title:

Country of registration: DK

Application no.: 92921020.1

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: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing a Fast Downward Move in a Cellular Telephone Forward Link

Power Control System

Country of registration: US

Application no.: 08/736,201

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

Project: UMTS

Title: Method and Apparatus for Performing a Fast Downward Move in a Cellular Telephone Forward Link

Power Control System

PCT

Country of registration:

Application no.: WO 98/18212

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: US
Application no.: 07/695,397
Patent no.: 5233630
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

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: TW
Application no.: 81103402
Patent no.: NI-65463
Countries applicable: 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

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Resolving Phase Ambiguities In Trellis Coded Modulated Data

Country of registration: PCT

Application no.: PCT/US92/03656

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: MX
Application no.: 9202041
Patent no.: 176176
Countries applicable: MX

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: MY
Application no.: PI 9200761

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration:

ΙE 921372

Application no.:

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 Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: Application no.:

EPO 92914647

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Performing Position and Preference Based Service Selection in a Mobile Title:

Telephone System

Country of registration: **PCT**

Application no.: WO 98/20698

Patent no.: n/a

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 Project:

Title: Mobile Communications Device Registration Method

Country of registration: MX Application no.: 925331 Patent no.: 178352 Countries applicable: MX

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CH

Country of registration:

Application 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

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 SE

Country of registration:

Application no.: 92921020.1

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

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

Qualcomm Inc. Company name:

Project: **UMTS** Title:

Mobile Communications Device Registration Method

Country of registration:

Application no.: 92921020.1 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

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: KR **Application no.:** 700880/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:
Application no.:

SK PV322/94

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

RO 94/00453

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: Notes:

Mobile Communications Device Registration Method

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT

Application no.: PCT/US92/07970

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: NO Application no.: 94/0987

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: KF

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

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

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Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration:

Application no.: 92921020.1

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: Qualcomm Inc.

UMTS Project:

Title: Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communications

System Country of registration: US 08/730,863 Application no.: Patent no.: 5751725 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

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: LU

Application no.: 92921020.1

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: Qualcomm Inc.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

Country of registration: JP Application no.: 506284/93 Patent no.: 5289527

Countries applicable: JΡ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application 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

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: IL Application no.: 103182 Patent no.: 103182 Countries applicable: Ш

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Mobile Communications Device Registration Method

Country of registration:

92921020.1

Application no.:

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**

Mobile Communications Device Registration Method Title:

Country of registration: HU Application no.: P9400677

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: GR

Application no.: 92921020.1

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

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 92921020.1

Application 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

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Mobile Communications Device Registration Method

Country of registration:

Application no.: 92921020.1

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: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title: **EPO**

Country of registration: Application no.:

92921020.1

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: Qualcomm Inc.

Project: **UMTS**

Mobile Communications Device Registration Method Title:

Country of registration:

Application no.: 92921020.1

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

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: KR Application no.:

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 the Formatting of Data For Transmission Title:

Country of registration: **EPO**

Application no.: EA-97-0120-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

Project: UMTS

Title: Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: PCT

Application no.: PCT/US97/03957 - WO 97/34439

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.:

Notes:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

9701029

MY

IN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Centralized Power Control Administration for a Set of Base Stations

Title: Country of registration:

Application no.:

Notes:

506/MAS/97 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.:

Notes:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

ID P-970805

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.:

Notes:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

472-97

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Centralized Power Control Administration for a Set of Base Stations

Country of registration: AR

Application no.:

P970106993

UMTS

CL

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 Adjacent Coverage Area Hand-off in Communication Systems Title:

Country of registration: US

Application no.: 08/722,330

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adjacent Service Area Handoff in Communication Systems

Country of registration: **PCT**

Application no.: WO 98/14026

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: VN

Application no.: S19970631

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Centralized Power Control Administration for a Set of Base Stations

Country of registration:

TW 86106810

Application 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

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 TW

Country of registration: Application no.:

85100238

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 Centralized Power Control Administration For A Set of Base

Country of registration: US
Application no.: 08/614,562

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

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

licenses under the IPRs on terms and conditions which 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 the Formatting of Data For Transmission

Country of registration: SG

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT

Application no.: PCT/US96/00673 - WO 96/22639

Patent no.: n/a

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:** NZ

Country of registration: Application no.:

302029

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: 975396

Application 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

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:

MY Application no.: PI9600092

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

522385/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

116790

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ID

Country of registration:

P960117 Application 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

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.: 97/2990

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration:

Application no.: 91903171.6 Patent no.: 521859

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

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

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

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Network

Country of registration: PCT

Application no.: PCT/US97/00926 - WO 97/31503

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reliable Hand-off in a CDMA System Title:

Country of registration: US

Application no.: 08/695,241

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: DF Application no.: 91903171.6 Patent no.:

521859 Countries applicable: DE

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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**

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

licenses under the IPRs on terms and conditions which are 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:

UMTS Project:

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: CA Application no.: 2079320

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: Application no.: 91903171,6 Patent no.: 521859

Countries applicable: BF

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: 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: AT

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**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter Title:

Country of registration: 70773/91 Application no.: Patent no.: 657261 Countries applicable: ΑU

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: Coexisting GSM and CDMA Wireless Telecommunications Network

Country of registration: US Application no.:

08/604,786

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Centralized Power Control Administration for a Set of Base Stations Country of registration: ZA

Application no.: 97/2155

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Coexisting GSM and CDMA Wireless Telecommunications Networks Title:

Country of registration: ZΑ

Application no.: 97/1478

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Application no.: 96192583.3

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 Application no.: P-970326

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

Project: UMTS

Title: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: CL **Application no.:** 200-97

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Coexisting GSM and CDMA Wireless Telecommunications Networks

Country of registration: AR

Application no.: P 97 01 06 657

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 Hard Hand-off in a CDMA System

Country of registration: US Application no.: 08/652,742

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Hard Handoff In A CDMA System

Country of registration: PCT
Application no.: WO 97/44984

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Eliminating Interference to a Hearing Aid from a Digital Communication Device

(CDMA)

Country of registration: US Application no.: 08/639,572

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing Interference Generated By a CDMA Communications Device

Country of registration: TW 96107694

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 reducing AM-Interference Generated By A CDMA Communications Device

Country of registration: PCT

Application no.: PCT/US97/07174 - WO 97/41653

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing Interference Generated By a CDMA Communications Device

Country of registration: Application no.:

MY PI 9701775

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Reducing Interference Generated By a CDMA Communications Device

Country of registration:

Application no.: 872/MAS/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing Interference Generated By a CDMA Communications Device

Country of registration: CL Application no.:

743-98

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Coexisting GSM and CDMA Wireless Telecommunications Networks TW

Country of registration: Application no.:

86101453

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CL Application no.: 1345/94

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: **EPO**

Country of registration:

96903544.3 Application no.:

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: JΡ Application no.: 512691/93 Countries applicable: JΡ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IT

Application no.: 93903541.6

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

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: Ш 104412 Application no.: Patent no.: 104412 Countries applicable: IL

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

Application no.: 93903541.6

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

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: GR

Application no.: 93903541.6

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 the Formatting of Data For Transmission DE

Country of registration:

93903541.6

Application 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

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.:

93903541.6

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

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: FΙ

Country of registration:

Application no.: 93903541.6

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

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.: 93903541.6

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 Project:

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: ΑIJ Application no.: 79876/87 Patent no.: 600528 Countries applicable: ΑU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CN

Country of registration: Application no.: 93101741.6

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 93903541.6

Countries applicable: MC

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA

Application no.: 2128327

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: PI9305758-0

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 the Formatting of Data For Transmission Title:

Country of registration:

Application no.: 93903451.6

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 Project:

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration:

Application no.: 47911/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΑU Application no.: 34767/93 668378 Patent no.:

Countries applicable: ΑU

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 the Formatting of Data For Transmission

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: US Application no.: 07/858,781 Patent no.: 5309474 Countries applicable: 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

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.: 07/825,147 Patent no.: 5416797

Countries applicable: US

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: **PCT**

Application no.: PCT/US93/00406

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Decoding Variable Rate Data

Country of registration: US

Application no.: 08/741,273

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Decoding Variable Rate Data

Country of registration: PCT Application no.: WO 98/19431

Patent no.: n/a

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: DK

Application no.: 93903541.6

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

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 GB

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

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: CL Application 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

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: CA 2210657 Application no.:

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: BF

Application no.: PI9606833-7

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

egistration: AU no.: 47603/96

Application no.: 47603

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.:

335095

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Data Burst Randomizer

Country of registration: US
Application no.: 08/291,231
Patent no.: 5535239
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

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

Company name: Qualcomm Inc.

Project: UMTS

Title: Variable Response Fir Filter

Country of registration: US
Application no.: 08/291,647
Patent no.: 5629955
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

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

Company name: Qualcomm Inc.

Project: UMTS

Title: Data Burst Randomizer

Country of registration: US
Application no.: 08/194,823
Patent no.: 5659569
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

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: TW
Application no.: 81102050
Patent no.: NI-72304
Countries applicable: 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

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 08/117,279 Patent no.: 5511073

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

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: LU Application no.: 93903541.6

Countries applicable: LU

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 the Formatting of Data For Transmission

Country of registration: JP Application no.: 512691/93 Countries applicable: JΡ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limited

Country of registration: JΡ

Application no.: 503193/91

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: CH Application no.: 93903541.6

Countries applicable: CH

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:

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: SE Application no.: 93903541.6

Countries applicable: SE

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:

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: ES Application no.: 93903541.6 Countries applicable: ES

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: KR
Application no.: 702450/94
Countries applicable: KR

Countries applicable: KR
Notes: The SIGNATORY and/or its AFFILIATES

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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.: 93/0290
Patent no.: 93/0290
Countries applicable: 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: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: SG
Application no.: 9607371-3
Countries applicable: SG

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU 94035749.09

Countries applicable: RU

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: PT 93903541.6

Countries applicable: PT

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: PL
Application no.: P304472
Countries applicable: PL

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: NO
Application no.: 94/2670
Countries applicable: 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

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.: 08/190,517 5469471

Patent no.: Countries applicable: 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

Company name:

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

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: Reduced Peak-to-Average Transmit Power High Data Rate In A CDMA Wireless Communication System

Country of registration: Application no.: 08/660,438

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:

Project: **UMTS**

Title: Method and Apparatus for Providing Rate Scheduled Data in a Spread Spectrum Communication System

Country of registration: US Application no.:

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 Project:

Linear Gain Control Amplifier Title:

Country of registration: TW Application no.: 80108121 Patent no.: NI-55654 Countries applicable: TW

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: Linear Gain Control Amplifier

Country of registration:

Application no.: 701125/93

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: Linear Gain Control Amplifier

Country of registration: PCT

Application no.: PCT/US91/07702 - WO 92/07424

Patent no.: n/a

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**

Linear Gain Control Amplifier Title:

Country of registration: Application no.: 93/1376

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: MX **Application no.:** 9101591

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

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: FI 93/1690

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 Ga

Title: Linear Gain Control Amplifier Country of registration: EPO

Application no.: EPO 92902054.3

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: CA Application no.: 2094133

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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.: n/a

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: AU
Application no.: 89430/91
Patent no.: 648364
Countries applicable: AU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Bright and Burst Mode Signaling Data Transmission in an Adjustable Rate Wireless Communication

System

Country of registration: US Application no.: 08/656,69

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Subscriber Unit for A CDMA Wireless Communication System

Country of registration: PCT

Application no.: WO 97/47098

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 AR

Title: Country of registration: Reduced Peak-to-Average Transmit Power High Data Rate CDMA Wireless Communication System

Application no.:

P 97 01 02 477

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Data Rate CDMA Wireless Communication System US

Country of registration:

Application no.: 08/654.443

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: High Data Rate CDMA Wireless Communication System

Country of registration: Application no.:

ΤŴ 86106725

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Subscriber Unit For CDMA Wireless Communication system

Country of registration: PCT

Application no.: PCT/US97/09606 - WO 97/45970

Patent no.: n/a

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: High Data Rate CDMA Wireless Communication System

Country of registration: IN

Application no.: 1094/MAS/97

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Power Control In A CDMA Dispatch System

Country of registration:

US

Application no.: Notes:

08/660,618

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

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus of Power Control in a CDMA Dispatch System

Title: Country of registration: TW

Application no.: 86107608

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Power Control In A CDMA Dispatch System

Country of registration: PCT

Application no.: WO 97/47094

Patent no.: n/a

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

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

Company name: Qualcomm Inc.

MY

Project: **UMTS**

Method and Apparatus of Power Control in a CDMA Dispatch System Title:

Country of registration:

Application no.: PI9702458

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: GR Application no.: 91903171.6 521859 Patent no.:

Countries applicable: GR

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: PI9107044-9

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

High Dynamic Range Closed Loop Automatic Gain Control Circuit Title:

Country of registration: JP

Application no.: 504281/92

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 the Rate of Received Data in a Variable Rate Communication

Country of registration: PCT

Application no.: WO 98/18242

Patent no.:

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 the Rate of Received Data in a Variable Rate Communications

System CĹ

Country of registration: Application no.: 2153/97

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Load Monitoring and Management in a CDMA Wireless Communication System

Country of registration: US Application no.:

08/688,453

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

Project: UMTS

Title: Load Monitoring And management In A CDMA Wireless Communications System

Country of registration: PCT

Application no.: WO 98/05129

Patent no.: WO 98/03129

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US
Application no.: 07/620,092
Patent no.: 5107225
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

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: TW 80109524
Patent no.: NI-64280
Countries applicable: 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

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: KR

Application no.: 701621/93

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RO Application no.: 80/93/00674

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Range Dynamic Closed Loop Automatic Gain Control Circuit

Country of registration: PCT

Application no.: PCT/US91/08962 - WO 92/10028

Patent 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

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: US
Application no.: 07/598,845
Patent no.: 5099204
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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 High Rate Data Transmission In A Spread Spectrum Communication System

Country of registration: PCT

Application no.: PCT/US97/09287 - WO 97/46044

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: HU
Application no.: P93

P9301576

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FI 93/2238

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

licenses under the IPRs on terms and conditions which 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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: EPO 92904567.2

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA

Country of registration: CA Application no.: 2093638

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

ВĞ 97790

Application no.: 97790 Notes: The S

initial by the 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

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:
Application no.:

BR PI9107139-9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: ΑŬ Application no.. 12416/92 Patent no.: 652807 Countries applicable: ΑU

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: Using a signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA

Cellular Telephone System

Country of registration:

Application no.: 08/659.407

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Using A Signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA

Cellular Telephone System

Country of registration: **PCT**

Application no.: WO 97/47148

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Measuring Link Quality in a Spread Spectrum Communication System

Country of registration: Application no.: 08/722.763

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Measuring Link Quality in a Spread Spectrum Communication System

Country of registration: PCT Application no.: WO 98/13951

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: NŎ

Application no.: 93/1949

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Preferred System Selection Title:

Country of registration:

Application no.: 08/626,744 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: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus of Power Control in a CDMA Dispatch System

Country of registration: CL Application no.: 1069-98

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

Project: UMTS

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: Application no.: P9303533

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: FΙ

Application no.: 93/5597

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**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: Application no.:

EPO 92913505.1

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: Qualcomm Inc.

Project: **UMTS**

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: CN

Application no.: 92104618.9

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: CA 2102099 Application 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

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.: PI9206143-5

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 Project:

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: ΑU Application no.: 21865/92 Patent no.: 671952 Countries applicable: ΑU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Notes:

Inter-System Calling Supporting Inter-System Soft Hand-off Title:

Country of registration: 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

Title: Inter-System Calling Supporting Inter-System Soft Handoff

Country of registration: PCT

Application no.: PCT/US97/07412 - WO 97/41698

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: JΡ Application no.: 500902/93 Patent no.: 5414796

Countries applicable: JP

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Preferred System Selection

Country of registration: PCT

Application no.: PCT/US97/06380 - WO 97/36452

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: MXApplication no.: 922808 Patent no.: 179172 Countries applicable: MX

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

licenses under the IPRs on terms and conditions which are 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 Performing Preferred System Selection

Country of registration: **PCT**

Application no.: PCT/US97/06378 - WO 97/36443

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: US Application no.: 07/502,101 Patent no.: 5028887 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

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: GB Application no.: 91903171,6 Patent no.: 521859 Countries applicable: GB

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

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: TW Application no.: 80104170

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: Application no.:

Notes:

KR 91-4959

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer With Hard Limiter

Country of registration: PCT
Application no.: PCT
PCT/US90/06058 - WO 91/15056

Application no.: PC1/US90/06058 - WO 91 **Patent no.:** n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: NL 91903171,6
Patent no.: 521859
Countries applicable: NL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: LU
Application no.: 91903171,6
Patent no.: 521859

Countries applicable: LU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Preferred System Selection

Country of registration: US **Application no.:** US 08/626,743

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Idle Hand-Off in a Multiple Access Communication System

Country of registration: US Application no.: 08/660,436

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Idle Handoff In A Multiple Access Communication System

Country of registration: PCT

Application no.: WO 97/47154

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 System For Providing A Cone of Silence in A Cellular Communication System

Country of registration: US

Application no.: 08/651,

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Con Of Silence In A Cellular Communications System

Country of registration: PCT
Application no.: PCT/US97/08670 - WO 97/44969

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone

Country of registration: US

Application no.: 08/672,205

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone

Country of registration: Application no.: 86108972

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

ROM-Based Finite Impulse Response Filter For Use In Mobile Telephones Title:

Country of registration: **PCT** Application no.: WO 97/50174

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone Title:

Country of registration: MY Application no.: PI9702780

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**

ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone Title:

Country of registration: CL Application no.: 1233-99

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.

US

UMTS Project:

Method And Apparatus For Providing Signal Diversity In A CDMA Communication System Title:

Country of registration:

Application no.: 08/651,430

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: IL Application no.: 102146 5414796 Patent no.:

Countries applicable: IL

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 Providing Diversity in Hard Handoff for a CDMA System

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver Title:

Country of registration: Ш 104911 Application no.: Patent no.: 104911 Countries applicable: IL

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

Project: UMTS

Title: Method And Apparatus For Measurement Directed Hard Hand-off In A CDMA System

Country of registration:

Application no.: 08/652.726

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Measurement Directed Hard Handoff In A CDMA System

Country of registration: Application no.:

PCT/US97/08677 - WO 97/44970

Patent no.: n/a

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Masking Frame Errors in a Variable Rate Vocoder

Country of registration: UA

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: TW Application no.: 81101162 Patent no.: NI-58204 Countries applicable: TW

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 Project:

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: ZA 92/4082 Application no.: 92/4082 Patent no.: Countries applicable: ZΑ

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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Masking Frame Errors in a Variable Rate Vocoder

Country of registration:

Application no.: 93058657.24

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration:

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**

Variable Rate Vocoder Title:

Country of registration: PCT

Application no.: PCT/US92/04605 - WO 92/22891

Patent no.: n/a

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**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: Application no.:

NO 93/4544

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Diversity in Hard Handoff for a CDMA System

Country of registration: TW Application no.:

86106697

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System AU

Country of registration:

39451/95 Application 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

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.: 96/1344

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: MY

Application no.:

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 Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: JΡ

Application no.: 512006/96

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

Project: UMTS

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.: 115461

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: IN

Application no.: 1179/MAS/95

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: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System ID

Country of registration:

Application no.: P-951989

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.: 96/2258

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System Title: EPO

Country of registration:

95937306.9 Application 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

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: CN

CN 95190946.0 Application no.:

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 Project:

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration: CL

Application no.:

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 Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: PCT

Application no.: PCT/US95/12390 - WO 96/10873

Patent no.: n/a

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

Project: UMTS

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.:

pi9506390-0

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: Qualcomm Inc.

Project: UMTS

Title: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System

Country of registration:

96144977

RU

Application 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

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.:

US 08/728,101

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: VN Application no.:

S-1775/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

KR 701584/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA Application no.. 94/7317 Patent no.: 94/7317 Countries applicable: 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.

UMTS Project:

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications RU

Country of registration: Application no.:

9610771

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CDMA System Applications

Country of registration: PCT

Application no.: PCT/US94/10774 - WO 95/08888

Patent no.:

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.: 9407324

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CDMA System Applications

Country of registration:

Application no.: PI 9402519

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 Application JΡ

Country of registration: Application no.:

509949/95

MY

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CDMA System Applications

Country of registration: Application no.:

111012

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Transmission of Variable Rate Digital Data Title: CL

Country of registration:

1579-94 Application 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

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: CA Application no.: 2174243

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Mobile Demodulator Architecture For A Spread Spectrum Multiple Access System

Country of registration:

Application no.: PCT/US96/10575 - WO 97/01227

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FΙ Application no.:

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

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration:

Application no.: PI940718-8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 80943/94

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**

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title: US

Country of registration: Application no.:

08/316,156

ΑIJ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel RU

Country of registration: Application no.:

97106816

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT

PCT/US95/12556 - WO 96/10874 Application no.:

Patent 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

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 **EPO**

Country of registration:

Application no.: 95936845,7

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**

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title:

Country of registration: CN

Application no.: 95195940.9

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration:

Application no.:

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

Project: UMTS

Title: Mobile Demodulator Architecture For A Spread Spectrum Multiple Access System

Country of registration: Application no.: 08/492,592 Patent no.: 5764592

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

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.:

MX 962026

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: **7**A Application no.: 96/4963 Patent no.: 96/4963 Countries applicable: ZΑ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

EPO 94929870,7

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Country of registration: JΡ

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**

Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: Application no.: 118665

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.: P961753 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Country of registration: Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

CL

1012/96

Application 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

Project: UMTS

Title: Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: AR

Application no.: 337146

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multipath Search Processor For A Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

US 08/316.177

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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: Multipath Search Processor for a Spread Spectrum for a Spread Spectrum Multiple Access

Communication System

Country of registration:

VN

Application no.: S1931/96

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**

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: TW

Application no.: 84110064

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 Project:

Multipath Search Processor for a Spread Spectrum Multiple Access Communication System Title:

Country of registration:

Application no.: 702836/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Multipath Search Processor for a Spread Spectrum for a Spread Spectrum Multiple Access

Communication System

Country of registration:

95/7858

Application no.: 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: Multipath Search Processor for a Spread Spectrum Multiple Access Communication System SG

Country of registration:

Application no.: 9610925-1 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: Mobile Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

TW Application no.:

85106788

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: KR

Application no.: 705071/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CDMA System Applications

Country of registration: Application no.:

ID P-941619

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: BR

Application no.: PI9407919-6 5414728 Patent no.: Countries applicable: BR

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: ΑU Application no.: 10847/95 Patent no.: 5414728

Countries applicable: ΑU

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:

Project: UMTS

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System VΝ Country of registration: Application no.: S1811/96

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 Determining the Transmission Data Rate in a Multi-User Communications

System ΤŴ Country of registration:

93109659 Application no.:

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:

Project: **UMTS**

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: KR Application no.: 701143/96

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 the Transmission Data Rate in a Multi-User Communications

System

Country of registration: CA Application no.: 2171008

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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 BR

Country of registration: Application no.:

PI9407458-5

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 Transmission Data Rate in a Multi-User Communications

System Country of registration: ΑU Application no.: 76838/94

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: VN

Application no.: SC00159/96

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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: CĹ Application no.: 1581/94 Patent no.: 5414728

Countries applicable: CL

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 TW

Country of registration: Application no.: Notes:

85100240

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: CN

Application no.: 94193945.6 Patent no.: 5414728 Countries applicable: CN

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

Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: ZA Application no.:

96/0186

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

RU

96118247

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: SG 9611441-8

Application no.:

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** Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Title:

Country of registration:

Application 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

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: PCT

Application no.: PCT/US96/00457 - WO 9621976 n/a

Patent no.: 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: Application no.:

964085

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:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration:

Application no.:

PI9600101

MY

MX

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**

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: JΡ

Application no.: 521836/96

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: IL

Application no.: 116739

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

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Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

Application no.: 55/MAS/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

ID P960091

Application no.:

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:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System FΙ

Country of registration:

96/03600

Application 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

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: US Application no.: 08/372,632 Patent no.: 5654979 Countries applicable: US

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 Project:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: ΤW Application no.: 83111686 Patent no.: 5414728

Countries applicable: TW

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: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration:

CN 94193504

Application no.:

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: Multirate Serial Viterbi Decoder for CDMA System Applications CL

Country of registration: Application no.:

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: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications CA

Country of registration: Application no.:

2171220

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 Code Division Multiple Access System Applications

Country of registration:

Application no.: PI9407595-6

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

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:

ΑU 78777/94

Application 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

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

Company name: Qualcomm Inc.

Project: **UMTS**

Layered Channel Element In A Base Station Modem For A CDMA Cellular Communication System Title:

Country of registration: US Application no.: 08/261,539 5511067

Patent no.: Countries applicable: US

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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: KŔ

Application no.: 707247/96

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 Project:

Title: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration:

Application no.: PCT/US95/07684 - WO 95/35638

Patent no.: n/a

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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: **EPO**

Application no.: 95923081.4

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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: CÁ

Notes:

Application no.: 2193103

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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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: Application no.:

2175488 Patent no.: 5414728

Countries applicable: CA 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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: US

Application no.: 08/146,645
Patent no.: 5414728
Countries applicable: US

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 Transmission of Variable Rate Digital Data

Country of registration: CN

Application no.: CN 94193948.0

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: KR
Application no.: 702259/96
Patent no.: 5414728
Countries applicable: KR

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: ZA Application no.: 94/8431 Patent no.: 5414728

Countries applicable: ZA

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: RU
Application no.: 96112174
Patent no.: 5414728
Countries applicable: RU

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 Channel

Country of registration: PCT

Application no.: PCT/US94/12448 - WO 95/12937

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: MX Application no.: 9408488 5414728 Patent no.: Countries applicable: MX

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: MY PI9402888 Application no.: Patent no.: 5414728

Countries applicable: MY 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: JΡ

Application no.: 513320/95 Patent no.: 5414728 JΡ

Countries applicable:

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: Ш Application no.: 111450 Patent no.: 5414728 Countries applicable: IL

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.: 1037/MAS/94 Patent no.: 5414728

Countries applicable: IN

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FΙ Application no.: 96/1824 Patent no.: 5414728 Countries applicable: FΙ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread

Spectrum Communication Channels

Country of registration: **EPO** Application no.: 95901717.9 5414728 Patent no.:

Countries applicable: **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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Spread Title:

Spectrum Communication Channels

Country of registration: ٧N S1930/96 Application no.: Patent no.: 5414728 Countries applicable: VN

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: TW Application no.: 84100610 Patent no.: NI-72233

Countries applicable: 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

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: FPO Application no.: 94932123,6

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

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: Ш Application no.: 111689

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 Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: IŃ

Application no.: 1041/MAS/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

95/3501

Application 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

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

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 Usina Coset Codina

Country of registration: CN

Application no.:

94190956,5

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.:

CL 1643/94

CA

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes:

2153700 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.:

PI9405789-3

UMTS

BR

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: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding ΑŪ

Country of registration:

Application no.: 11872/95 Patent no.: 678874

Countries applicable: ΑU

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: MY

Application no.: PI9403080

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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: VN

Application no.: S-1918/96

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**

Fast Forward Link Power Control in a Code Division Multiple Access System Title:

Country of registration: PCT

Application no.: PCT/US94/13595 - WO 95/15038

Patent 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

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:

KR Application no.: 702137/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: ZΑ Application no.: 94/8133 Patent no.: 94/8133

Countries applicable: ZΑ

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

licenses under the IPRs on terms and conditions which are 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff SG

Country of registration:

Application no.:

9607380-4

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

RU

Country of registration:

Application no.: 96110195

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing The Average Transmit Power from a Sectorized Base Station Title:

Country of registration: **PCT**

Application no.: PCT/US94/12459 - WO 95/12297

Patent no.: n/a

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

Project: UMTS

Title: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

Notes:

MX 9408301

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff MY

Country of registration:

Application no.:

Notes:

PI 9402826

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

JP

512883/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff IL

Country of registration:

Application no.:

111434

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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

985/MAS/94

IN

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**

Project:

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data CA

Country of registration:

2174343

Application 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

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Notes:

Country of registration:

Method and Apparatus for Reducing The Average Transmit Power from a Sectorized Base Station 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

Qualcomm Inc. Company name:

Fί

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.: 96/1823 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration:

Application no.: 51936/96

VN

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 Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: US Application no.: 08/146,642 Patent no.: 5471497 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

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: ΤŴ Application no.: 83111687

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding ΚŔ

Country of registration:

Application no.: 702256/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 7A Application no.: 94/8560 Patent no.: 94/8560 Countries applicable: ZΑ

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 Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding

Country of registration: RU Application no.: 96112185

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

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: PCT

Application no.: PCT/US94/12540 - WO 95/12938

Patent no.: n/a

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

Project: UMTS

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: MX Application no.: 9408492 185915 Patent no.: Countries applicable: MX

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

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:

Application no.:

PI9402910

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.:

JÉ 513361/94

MY

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 Forward Link Power Control In A Code Division Multiple Access System

Country of registration:

Application no.: 515247/95

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.:

1056/MAS/94

IN

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During Title:

Soft Handoff

Country of registration:

CN Application no.: 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

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: **EPO**

95901735,1

Application 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

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.:

CN 94193946,4

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Usina Coset Codina

Country of registration:

CL Application no.: 1592/94

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

CA 2174344

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.:

PI9407920-0

BR

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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: ΑU

Application no.: 10862/95 Patent no.: 678653

Countries applicable: ΑU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Fast Forward Link Power Control in a Code Division Multiple Access System

Country of registration: US Application no.: 08/276,576 Patent no.: 5461639

US

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

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

Company name: Qualcomm Inc.

Project: **UMTS**

Notes:

Fast Forward Link Power Control In A Code Division Multiple Access System

Title: Country of registration: US Application no.: 08/156,125 Patent no.: 5383219 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

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.:

83111685

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

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 Usina Coset Codina

Country of registration:

Application no.:

KR 703047/95

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΖĂ Application no.: 94/8424 Patent no.: 94/8424

Countries applicable: **7**A

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Ш

Country of registration:

Application no.:

111449

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

licenses under the IPRs on terms and conditions which are 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 The Transmission Of Variable Rate Digital Data

Country of registration: US Application no.: 08/539.490 5581575 Patent no.: 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

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: FΙ

Application no.: FI 961446

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Title: Country of registration: MX Application no.: 9408308 Patent no.: 185966 Countries applicable: MX

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

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.: PI 9402760

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: JP

512880/95

Application no.:

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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: 111432

Application 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

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

IN

Country of registration:

Application no.: 964/MAS/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 FΙ

Country of registration:

953210 Application 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

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 **EPO**

Country of registration:

Application no.: 94932118.6

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 Project:

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Country of registration:

CL Application no.:

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**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration: CA Application no.: 2150932

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

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.: 95113456,09

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

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

Company name: Qualcomm Inc.

ΑU

Project: UMTS

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.: 80963/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA
Application no.: 94/7841
Patent no.: 94/7841
Countries applicable: 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: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: VN Application no.: S-1932/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW
Application no.: 83111688
Patent no.: NI-078321
Countries applicable: 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

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.: 702

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA
Application no.: 94/8427
Patent no.: 94/8427
Countries applicable: 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: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: PCT

Application no.: PCT/US94/12373 - WO 95/12943

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Application no.:

9408437

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

MY

Application no.:

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 the Transmission of Variable Rate Digital Data JΡ

Country of registration: Application no.:

513306/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

111452

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Transmission of Variable Rate Digital Data Title: IN

Country of registration:

Application no.:

1040/MAS/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 **EPO**

Country of registration:

Application no.: 9493290.7

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 Project: Title:

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.:

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 Handoff Between Sectors of a Common Base Station Title:

Country of registration: JΡ

Application no.: 512881/95

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

Project: UMTS

Title: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

CL Application no.:

Notes:

1568-94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

Notes:

CA 2173484

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: BR Application no.: PI9407896-3

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

80968/94

ΑU

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 Hand-off Between Sectors of a Common Base Station

Country of registration: US

Application no.: 08/405,611 Patent no.: 5625876 US

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

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 Handoff Between Sectors of a Common Base Station Title:

Country of registration: TW Application no.: 83111348

Patent no.: NI-73287 Countries applicable: 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

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: KR 702722/95 Application 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

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.: 94-8134 Patent no.: 94-8134 Countries applicable: 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: **UMTS**

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station Title:

Country of registration: RU Application no.:

95112669,09

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station

Country of registration: PCT

Application no.: PCT/US94/12453 - WO 95/12296

Patent 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

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: PCT

Application no.: PCT/US94/12452 - WO 95/12262

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station MY

Country of registration:

Application no.: PI 9402761

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title: CL

Country of registration:

Application 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

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 IL

Country of registration:

Application no.: 111433

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 Performing Handoff Between Sectors of a Common Base Station

Country of registration:

Application no.: 984/MAS/94

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

Project: UMTS

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.: 953211

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station

Country of registration: FPO Application no.: 94932119.4

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 Handoff Between Sectors of a Common Base Station CL

Country of registration: Application no.:

1569-94 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

CA 2150542

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station Title: **BR**

Country of registration:

9405646-3 Application 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

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.: 80964/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Demodulation Element Assignment in a System Capable of Receiving Multiple Signals Title:

Country of registration: TW Application no.: 84100178 Patent no.: NI-72180 Countries applicable: 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

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

Application no.: 702721/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Between Sectors of a Common Base Station

Country of registration:

MX9408385

Application 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

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: PCT Application no.: PCT/US93/11261 - WO 94/13066

Patent no.: n/a

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

> System ÚŚ

Country of registration: Application no.: 08/020,482 5396516 Patent no.: 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

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: FΙ Application no.: 95/6253

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FPO

Country of registration: Application no.:

94921281.5

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CN

Country of registration:

Application no.: 94106738.6

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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.: 2165801

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: PI9406851-8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΑU Application no.: 72858/94 673097 Patent no.: Countries applicable: ΑU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Carrier Dot Product Circuit

Country of registration: US Application no.: 08/343,800 Patent no.: 5506865 Countries applicable: 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

Company name: Qualcomm Inc. Project: **UMTS**

Title: Pilot Carrier Dot Product Circuit

Country of registration: KR Application no.: 702142/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Carrier Dot Product Circuit

Country of registration: **7**A Application no.: 93/8324

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Ш

Application 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

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:

95113713.09

RU

Application no.:

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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration:

Application no.: 502888/95

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

Project: **UMTS**

Title: Pilot Carrier Dot Product Circuit

Country of registration: MXApplication no.: 9307373

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Carrier Dot Product Circuit

Country of registration: MY

PI9302459

Application no.:

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**

Pilot Carrier Dot Product Circuit Title:

Country of registration: Application no.:

JΡ 513273/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Pilot Carrier Dot Product Circuit

Country of registration: IL Application no.: 107710 Patent no.: 107710 Countries applicable: Ш

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 Project:

Title: Pilot Carrier Dot Product Circuit

Country of registration: IN

Application no.: 816/MAS/93

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: Pilot Carrier Dot Product Circuit

Country of registration: FΙ Application 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

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

Company name: Qualcomm Inc.

UMTS Project: Title:

Pilot Carrier Dot Product Circuit

Country of registration: **EPO** Application no.: 94902317.0

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**

Pilot Carrier Dot Product Circuit

Title: Country of registration: CN

Application no.: 93114837.5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA Application no.: 2150015

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: PI9307519-7

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.:

EPO 96902671.5

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Carrier Dot Product Circuit

Country of registration: SG Application no.:

9606738-4

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 BG

Country of registration: Application no.:

98780

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Network Echo Canceller Title:

Country of registration: PCT

Application no.: PCT/US93/09112 - WO 94/08418

Patent no.:

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**

Network Echo Canceller Title:

Country of registration: NO Application no.: 94/1904

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

ΚP Country of registration: Application no.: P94/328 30638 Patent no.: Countries applicable: ΚP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: MX
Application no.: 9305889
Patent no.: 182419

Countries applicable: MX

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: JP
Application no.: 509197/94

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: IL
Application no.: 107100
Patent no.: 107100
Countries applicable: IL

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: HU **Application no.:** 94/01313

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FI **Application no.:** 94/2443

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Network Echo Canceller

Country of registration: EPO

Title:

Application no.: 93923128.8

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CZ

Application no.: PV1271/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 457/MAS/94

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA Application no.: 2123002

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

System Country of registration: ΤŴ Application no.: 83100734 Patent no.: NI-82312

Countries applicable: TW

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: Network Echo Canceller

Country of registration: BR

Application no.: PI9305647-8

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AU 52918/93 Application no.: Patent no.: 660243 Countries applicable: ΑIJ

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 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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:

UMTS Project:

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: TW Application no.: 83106259 NI-70651 Patent no.: 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

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 705880/95 Application 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

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

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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: SG Application no.: 9609071-7

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU Application no.: 960101151

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: PCT

Application no.: PCT/US94/06602 - WO 95/01018

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration: MXApplication no.: 9404748

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MY

Application no.: PI9401462

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: Network Echo Canceller

Country of registration:

CN

Application no.: 93118294

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 Determining Data Rate of Transmitted Variable Rate Data in a Title:

Communications Receiver

Country of registration:

Application no.: 109842

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: ΑU Application no.: 56725/94

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZΑ Application no.: 94/4032 Patent no.: 94/4032 Countries applicable: ZA

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

Country of registration: Application 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

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.: 96101998

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

Country of registration:

Application no.:

94920280.8

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Title:

Communications Receiver

Country of registration: PCT

Application no.: PCT/US94/06956 - WO 95/01032

Patent no.:

n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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 Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: NI

Application no.: 94920280.8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

MC Country of registration:

Application no.:

94920280.8

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

9404610

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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

94920280.8

LU

ES

MX

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

Notes:

94920280.8 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 IT

Country of registration:

Application no.:

94920280.8

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: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver SE

Country of registration:

Application no.:

94920280.8

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.:

94920280.8

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

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

GR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

DE 94920280.8

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

FR 94920280.8

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

FΙ 95/6091

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

EPO 94920280.8

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

Application no.:

94920280.8

DK

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

Country of registration:

CN 94107503

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

Project: UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

CA Application no.: 2165342

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

Country of registration:

Application no.:

BR PI9406891-7

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 the Formatting of Data For Transmission

Country of registration: MX Application no.: 930236 Countries applicable: MX

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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

503020/95

JΡ

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System HU

Country of registration:

Application no.:

P9403846

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

Country of registration: Application no.: 703506/95

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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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: ZΑ Application no.: 94/0516 Patent no.: 94/0516

Countries applicable: ZΑ 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

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

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 RU

Country of registration: Application no.:

95117936.09

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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: PL Application no.: P309726

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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

> System PΗ

Country of registration:

Application no.: 47726

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System MX

Country of registration:

Application no.:

9401298

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

Application no.: PI9400227

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: JĖ Application no.: 518994/94

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

Project: **UMTS**

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

KR

Country of registration: ΙL

Application no.: 108445

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 Determining Data Rate of Transmitted Variable Rate Data in a Title:

Communications Receiver

Country of registration:

Application no.: 705758/95

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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: ID Application no.: P940267

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: Network Echo Canceller

Country of registration: RU

Application no.: 94028666.09

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:

Project: **UMTS**

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

System FΪ

Country of registration: Application no.:

95/3938

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

> System **EPO**

Country of registration:

Application no.: 94907396.3

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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: CN Application no.: 94102045.2

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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: Application no.: 2156707

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

Project: UMTS

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: BR

Application no.: PI9405695-1

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: Qualcomm Inc.

Project: **UMTS**

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: ΑU Application no.: 60999/94 Patent no.: 666811 Countries applicable: ΑU

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 System For The Dynamic Modification Of Control Parameters In A Transmitter Power Control Title:

System

Country of registration: PCT

Application no.: PCT/US94/01150 - WO 94/19876

VN

Patent no.:

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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 Date in a

Communications Receiver

Country of registration: US

Application no.: 08/233,570 Patent no.: 5566206 Countries applicable: US

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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

S1634/95

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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: GB

Application no.: 94920280.8

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 Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

СН Country of registration:

Application no.: 94920280.8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: IŃ

Application no.: 60/MAS/94

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: US Application no.: 08/076,228 Patent no.: 5408697 Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Network Echo Canceller

Country of registration: PLApplication no.: P303792

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 1036/MAS/94

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Performing a Fast Hadamard Transform Title:

Country of registration: FΙ Application no.: 96/2573

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: FPO Application no.: 95904955.2

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.: 94194567.7

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

Notes:

CL 1788/94

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 a Fast Hadamard Transform

Country of registration: CA Application no.: 2179758

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: PI9408414-9

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 a Fast Hadamard Transform Title: ΑU

Country of registration: Application no.:

13752/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Antenna System for Multipath Diversity in an Indoor Microcellular Communication System

Country of registration: Application no.: 08/351,853

Patent no.: 5577265 Countries applicable: US

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 Project:

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: JΡ Application no.: 517604/95 Patent no.: 5561618 Countries applicable: JΡ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 08/547,340 Patent no.: 5576662

Countries applicable: US

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 a Fast Hadamard Transform

Country of registration: MY Application no.: PI9403073

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: Application no.. 83105662 Patent no.: NI-69151

Countries applicable: TW

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: Application no.:

ZΑ 94/3837

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 Gain-Controlled Amplifier Having A Wide Linear Dynamic Range Title:

Country of registration: PCT

Application no.: PCT/US94/06796

Patent no.:

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: MX Application no.: 9404430

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:

Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range Title: MY

Country of registration:

Application no.: PI9401460

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 Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: Application no.:

Ш 109952

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 Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration:

Application no.: 458/MAS/94

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 Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: Application no.:

CN 94107111.1

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

Project: UMTS

Title: Mobile Station Operating in an Analog Mode and for Subsequent Hand-off to Another System

Country of registration: Application no.: 08/383,555 Patent no.: 5509035

Countries applicable: US

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: Vocoder ASIC Country of registration: US Application no.: 08/197,417

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** Vocoder ASIC Title: Country of registration: TW Application no.: 84102110

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:

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

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: IN

Application no.: 95/MAS/95

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 Reducing Power Consumption in a Mobile Communications Receiver Country of registration: HÜ

Application 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

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:

CA 2185444

Application 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

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

Qualcomm Inc. Company name:

Project: **UMTS** Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.: PI9603816-0

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

Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

AU 46988/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

AR 335061

Application 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

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Doubletalk Detection by Means of Spectral Content

Country of registration: US
Application no.: 08/783,768
Patent no.: 5732134
Countries applicable: US

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: TW
Application no.: 84100974
Patent no.: NI-076592
Countries applicable: 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

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Doubletalk Detection by Means of Spectral Content

Country of registration: PCT

Application no.: PCT/US95/02447 - WO 95/23477

Patent no.: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 a Fast Hadamard Transform

Country of registration:

Application no.: 112056

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IL

112797

Application no.:

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: SG

Application no.: 9604575-2

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Application no.:

P950313

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

148/95 Application 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

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.: S2072/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 a Fast Hadamard Transform

Country of registration: US Application no.: 08/173.460 Patent no.: 5561618 Countries applicable: US

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: TW 83110577 Application no.: Patent no.: NI-72660 Countries applicable: TW

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

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: KR **Application no.:** 703305/96

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: ZA
Application no.: 94/8425
Patent no.: 94/8425
Countries applicable: ZA

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: SG **Application no.:** 9607828-2

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: RU Application no.: 96115176

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: PC

Application no.: PCT/US94/14802 - WO 95/17727

Patent no.: n/a

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: MX Application no.: 9409702

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: M

Application no.: Pl9500192

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: Comprehensive Mobile Communications Device Registration Method

Country of registration: US
Application no.: 08/537,059
Patent no.: 5629975
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: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

Application no.: 114560

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

IN

Application no.:

841/MAS/95

Notes:

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

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

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 Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

ID P951343

Application 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

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 Simulating User Interference In A Spread Spectrum Communication Network FΙ

Country of registration:

96/1150

Application 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

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

Country of registration:

EPO

Application no.:

95927186.7 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Country of registration:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network CN

Application no.:

95190629.1

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:

Project:

Qualcomm Inc. **UMTS**

Title: Country of registration: System And Method For Simulating User Interference In A Spread Spectrum Communication Network CL

Application 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

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

Company name: Qualcomm Inc.

Project:

UMTS

Title: Country of registration: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

CA Application no.: 2170636

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: PI9506283-1

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: Qualcomm Inc. UMTS

Project:

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

ΑU 31291/95

Application 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

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

Company name: Qualcomm Inc. Project: **UMTS** Title: Vocoder ASIC Country of registration: KR

Application no.: 704554/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Comprehensive Mobile Communications Device Registration Method

Country of registration: US Application no.: 08/536,581 Patent no.: 5642398 Countries applicable: 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

Company name: Qualcomm Inc.

UMTS Project:

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: ΜX Application no.: 960954

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: Comprehensive Mobile Communications Device Registration Method

Country of registration: US Application no.: 08/602,683 Patent no.: 5588043

Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Trellis Encoder and Decoder Based Upon Punctured Rate 1/2 Convolutional Codes

Country of registration: US Application no.: 08/368.738 Patent no.: 5633881 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 for Determining Speech Encoding Rate in a Variable Rate Vocoder

Country of registration: Application no.. 07/984,602 Patent no.: 5341456

Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: A Method for Controlling Echo Canceling in an Echo Canceller (As Amended)

Country of registration: US Application no.: 08/607,403 Patent no.: 5687229 Countries applicable: US

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Noise Replacement System and Method in an Echo Canceller

Country of registration: Application no.: 08/607,402 Patent no.: 5646991 Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Network Echo Canceller

Country of registration: US

Application no.: 08/202,520 Patent no.: 5559881 US

Countries applicable:

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** Network Echo Canceller Title:

Country of registration: US Application no.: 07/951,074 Patent no.: 5307405 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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. UMTS

Project:

Title: Network Echo Canceller

Country of registration: KR Application no.: 701785/94

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**

Network Echo Canceller Title:

Country of registration: ZΑ Application no.: 93/6322 Patent no.: 93/6322 Countries applicable: ZΑ

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: Network Echo Canceller

Country of registration: SK **Application no.:** PV606/94

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: CN

Application no.: 96190032.6

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: Qualcomm Inc.

Project: UMTS

Title: Comprehensive Mobile Communications Device Registration Method

Country of registration: US
Application no.: 08/536,580
Patent no.: 5621784
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

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

Company name: Qualcomm Inc.
Project: UMTS
Title: Vocoder ASIC

Country of registration: CA Application no.: 2158660

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: RO Application no.: 94/00874

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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
Country of registration: RU
Application no.: 95119581

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: PCT

Application no.: PCT/US95/02043 - WO 95/22819

Patent no.: n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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
Country of registration: MX
Application no.: 9504358

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Vocoder ASIC Country of registration: MY Application no.: PI9500210

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

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: IL Application no.: 112650

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IN Application no.: 94/MAS/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Country of registration: ID

P950260 Application 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

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: FΙ Application no.: 95/4920

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO** Application no.: 95910296.3

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**

System And Method For Simulating User Interference In A Spread Spectrum Communication Network Title:

Country of registration: JP Application no.: 505186/95

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

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Company name: Qualcomm Inc. Project: **UMTS** Title: Vocoder ASIC Country of registration: CL

Application no.: 146/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Application no.: PI9505650-5

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Country of registration: AU Application no.: 18465/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 08/601,491 Patent no.: 5675581 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

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: VN Application no.: S1809/96

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

TW 84107079

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: KR

Application no.: 701261/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

ΖĂ Application no.: 95/5605

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 Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

SG 9607386-1

Application 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

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Country of registration: System And Method For Simulating User Interference In A Spread Spectrum Communication Network RU

Application no.: 96107901

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Simulating User Interference In A Spread Spectrum Communication Network PCT

Country of registration:

Application no.: PCT/US95/08889 - WO 96/02986 n/a

Patent no.:

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** Project: Vocoder ASIC Title:

Country of registration: Application no.:

ZΑ 95/0798

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CN

Country of registration: Application no.:

95190086.2

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: ΑU Application no.: 28636/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reduced Rate Variable Rate Vocoding

Country of registration: Application no.:

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

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: Application no.:

96105944

PCT

MY

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: Application no.:

PCT/US95/07685 - WO 95/35002

Countries applicable: n/a

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 For Providing Service And Rate Negotiation In A Mobile Communication System

Title: Country of registration:

Application no.:

PI 9501598

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:

Application no.:

502512/96

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:

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: 114138

Application no.:

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: FΙ

Application no.:

FI 960195

UMTS

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: **EPO**

Application no.: 95923933,6

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: Qualcomm Inc.

UMTS Project:

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CN

Application no.:

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

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CL **Application no.:** 861-95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: KR

Application no.: 700762/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 For Providing Service And Rate Negotiation In A Mobile Communication System BR

Country of registration: Application no.:

PI 9505489-8

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: TW
Application no.: 84106472
Patent no.: NI-078085
Countries applicable: TW

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.
Proiect: UMTS

Project: UMTS
Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: US Application no.: US 08/815,354

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: VN Application no.: S-1855/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reduced Rate Variable Rate Vocoding

Country of registration: TW 84107077 Patent no.: NI-076818

Countries applicable: 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 95/6078

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:

96110286

RU

Application 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

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: PCT

Country of registration: Application no.:

PCT/US95/09780 - WO 96/04646

Countries applicable: n/a

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 Reduced Rate Variable Rate Vocoding Title:

Country of registration:

MY Application no.: PI 9502226

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 Project:

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title:

Country of registration:

Application no.: 506728/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Testing a Digital Communication Channel

Country of registration: ΑU Application no.: 43711/96

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 For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Application no.: 2166796 Notes:

Country of registration: CA

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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 Power In A Variable Rate Communication System

Country of registration: ID Application no.:

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

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration:

Application no.: S-1752/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration:

Application no.: 08/283.308

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 Power In A Variable Rate Communication System Title:

Country of registration: TW Application no.: 84108517 Patent no.: NI-077453

Countries applicable: 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

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 Power In A Variable Rate Communication System

Country of registration: KR Application no.:

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 Project:

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: Application no.: 95/5940 Patent no.: 95/5940 Countries applicable: ZA

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 Controlling Power In A Variable Rate Communication System Title:

Country of registration: SG 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 Controlling Power In A Variable Rate Communication System

Country of registration:

Application no.: 96108811

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 Controlling Power In A Variable Rate Communication System Country of registration: PCT

Application no.:

PCT/US95/08477 - WO 96/04718 n/a

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

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: Application no.:

961213

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

MY 9502112

Application no.:

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 For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: SG 9601161-4

Application no.:

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 Power In A Variable Rate Communication System

Title: Country of registration:

Application no.:

114761

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 Reduced Rate Variable Rate Vocoding Title: IN

Country of registration:

Application no.:

847/MAS/95 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.: 846/MAS/95

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 Project: Title:

Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration:

Application 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

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: **EPO**

Application no.: 95926626.3

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

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: CN

Application no.: CN 95190673.9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: CL

Application no.: 1080-95

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

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Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System CA

Country of registration: Application no.:

2169649 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Power In A Variable Rate Communication System

Country of registration: BR

Application no.: PI 9506276-9

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 Power In A Variable Rate Communication System Title: AU

Country of registration: Application no.:

30936/95 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: VN Application no.: S-1667/96

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 Project:

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: US Application no.: 08/260.192 Patent no.: 5638412 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

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 JΡ

Country of registration: Application no.: 506501/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: PI9503662

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reduced Rate Variable Rate Vocoding

Country of registration: IL Application no.:

114819

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-Title:

off Boundary In A Cellular Communication System BR

Country of registration:

Application no.:

PI9506274-2

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-Title:

off Boundary In A Cellular Communication System

Country of registration: ΑU Application no.: 31393/95

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**

Project:

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: VN Application no.: SI9970445

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: US

Application no.: 08/347.526

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 NI-080602 Patent no.:

Countries applicable: TW

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration:

Application no.: 703635/1997

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

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: Application no.: 95/10109 Patent no.: 95/10109

Countries applicable: ZA

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: SG Application no.: 9702317-0

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: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: RU Application no.: 97111851

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 1085/95

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Testing a Digital Communication Channel Title:

Country of registration: MX Application no.:

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System CN

Country of registration:

Application no.:

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 Testing A Digital Communication Channel

Country of registration: Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Testing a Digital Communication Channel Title:

Country of registration: Application no.:

IL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Testing a Digital Communication Channel Title:

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Testing a Digital Communication Channel

Country of registration:

EPO

Application 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

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

Country of registration:

Title:

95942506.7 Application 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

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 CN

Country of registration:

Application no.: 95197481.5

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 Testing a Digital Communication Channel

Country of registration: Application no.:

CL

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 Testing a Digital Communication Channel Title:

Country of registration: CA Application no.: 2206251 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: RU

Application no.: 96112146

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: PCT

Application no.: PCT/US95/15534 - WO 96/17454 n/a

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

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:

SG 9607440-6

Application no.:

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 Reduced Rate Variable Rate Vocoding

Country of registration:

FΙ FI 961445

Application 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

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 Reduced Rate Variable Rate Vocoding

Country of registration: **EPO** Application no.: 95928266.6

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 Project:

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: CN

Application no.: CN 95190723.9

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 Reduced Rate Variable Rate Vocoding

Country of registration: 1134-95 Application 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

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: CA

Application no.: 2172062

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reduced Rate Variable Rate Vocoding

Country of registration: BR

Application no.: PI9506307-2

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 08/278,347

Patent no.: 5548812 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

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.: 84107667 NI-080494 Patent no.:

Countries applicable: TW

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System CA

Country of registration:

Application no.:

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: Application no.:

ZΑ 95/5809

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: CA Application no.: 2193394

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration:

Application no.:

96107751

RU

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Handoff Boundary to the Reverse Link Handoff

Boundary in a Cellular Communications System

Country of registration: **PCT**

Application no.: Countries applicable: PCT/US95/09212 - WO 96/03845

n/a

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with 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 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

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with 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 Balancing the Forward Link Handoff Boundary to the Reverse Link Handoff

Boundary in a Cellular Communication System

Country of registration:

Application no.:

505872/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with 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 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

ID P-951428

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Hand-

off Boundary In A Cellular Communication System

Country of registration: IN

Application no.:

843/MAS/95

FΙ

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 96/1318

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 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.:

EPO 9592733,5

KR

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

701455/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 ΑU

Country of registration:

Application no.:

45945/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Adaptive Sectorization in a Spread Spectrum Communication System ΑIJ

Country of registration:

Application no.: 29086/95

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Pilot Signal Searching Technique for a Cellular Communications System MY

Country of registration:

Application no.:

PI 9503548

Notes:

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

licenses under the IPRs on terms and conditions which are 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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: JΡ

Application no.: 517080/96

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

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: 116091 Application 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

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:

ID P-952470

Application no.:

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**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration:

IN 1529/MAS/95

Application 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

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

Company name: Qualcomm Inc.

UMTS Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: Application no.:

FI971592

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO**

Country of registration: Application no.:

95944040,5

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Application no.: 95196330.9

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 Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: CL Application no.:

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**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: ΝZ Application no.: 300717

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

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: PI9510068-7

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

NO 97/2306

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 Reducing Interference Generated by a Digital Communication System PCT

Country of registration: Application no.:

PCT/US97/06326 - WO 97/39537

Patent no.: n/a

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 Providing Redundant Coverage Within A Cellular Communication System Title:

Country of registration: Application no.:

US 08/347,532

Notes:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.: 93903541.6 NL

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

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.: 95/9997 Patent no.: 95/9997

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

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:

Notes:

RU 97112477

ZA

Application 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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System Title:

Country of registration:

Application no.: PCT/US95/15533 - WO 96/17487

Countries applicable:

n/a

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

licenses under the IPRs on terms and conditions which are 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 Providing Redundant Coverage Within A Cellular Communication System

Country of registration:

Application no.: PI 9503636

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: JP.

Application no.: 519040/96

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 Redundant Coverage Within A Cellular Communication System Title:

Country of registration: Application no.:

116155 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Redundant Coverage Within A Cellular Communication System

Country of registration: Application no.:

P952527

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:

2203256 Application 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

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: BR

Application no.: PI 9506315-3

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 Project:

Title: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communications System

Country of registration: **PCT**

Application no.: PCT/US95/11616 - WO 96/08936

CA

Countries applicable:

n/a

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: MXApplication no.: 961732

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

Project: UMTS

Title: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

Application no.: PI 9502623

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: JĖ

510315/96

115249

Application 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

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

Company name: Qualcomm Inc. **UMTS**

Project:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Title:

Country of registration:

Application 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

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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

ID

Application no.:

P-951825

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 Communication System IN

Country of registration:

1104/MAS/95 Application no.:

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 Communication System

Country of registration:

Application no.: FI 961447

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration:

Title:

Application no.: 95934418.5

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**

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: CN

Application no.: CN 95190876.6 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

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Notes:

Application no.: 973723

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: CA

Application no.: 2173983

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Redundant Coverage Within A Cellular Communication System Title:

Country of registration:

Application no.: 95197410,6

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

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

Company name: Qualcomm Inc.

UMTS Project:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Title:

Country of registration:

AU 36759/95

CN

Application 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

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: ٧N

Country of registration:

SC0831/97 Application no.:

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: US Application no.: 08/344,321 Patent no.: 5577022 Countries applicable: 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

Company name: Qualcomm Inc.

UMTS Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: UA

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: TW Application no.: 85103856 NI-083424 Patent no.:

Countries applicable: 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**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: 702651/1997

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZΑ Application no.: 95/9883 95/9883 Patent no.: Countries applicable: ZΑ

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SG Application no.: 9702188-5

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: RU Application no.: 97110197

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 Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: PCT

Application no.: PCT/US95/15298 - WO 96/16524

Countries applicable: n/a

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: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: CL Application no.: 1270-95

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: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: US

Application no.: 08/265,664 Patent no.: 5621752 Countries applicable: 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

Company name: Qualcomm Inc.

UMTS Project:

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System JΡ

Country of registration:

Application no.: 506511/96

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

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

114762 Application 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

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: ID

Country of registration: Application no.:

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 Search Acquisition In A CDMA Communication System

Country of registration: IN 845/MAS/95

Application no.:

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:

Application no.:

FI 961294

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO**

Country of registration:

95926654,5 Application no.:

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: CN

Application no.: CN 95190672.0

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 Project:

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: CL

Application no.:

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.: 2172370

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

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

Application no.: PI 9506273-4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IN

Application no.: 1528/MAS/95

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**

Adaptive Sectorization in a Spread Spectrum Communication System Title: VN

Country of registration: Application no.:

SC0471/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: PCT/US95/08659 - WO 96/04716

Countries applicable: n/a

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 Project:

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: KR Application no.: 707365/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: SG Application no.: 9612201-5

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**

Adaptive Sectorization in a Spread Spectrum Communication System Title:

Country of registration: RU Application no.: 97101122

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 Country of registration:

Application no.: PCT/US95/07970 - WO 96/00466

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Application no.: 966634

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: JP.

503342/95

Application no.:

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**

Adaptive Sectorization in a Spread Spectrum Communication System Title:

Country of registration: Application no.:

FI965180

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: **EPO** Application no.:

95924673,7

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Adaptive Sectorization in a Spread Spectrum Communication System CN

Country of registration:

95193756,1 Application 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

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: AR

Application no.: P950100394

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 Project: Title:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: ΑU

Application no.:

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 Hand-off Between Different Cellular Communications Systems Title:

Country of registration: ID

Application no.: P-952123

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

Project: UMTS

Title: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration:

Application no.: PI9508102-0

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: Qualcomm Inc.

Project: UMTS

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System Title:

Country of registration: CL

Application no.: 1796-95

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 Redundant Coverage Within A Cellular Communication System Title: CA

Country of registration: Application no.:

2206101

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 BR

Country of registration:

Application no.:

Notes:

PI9509928-0 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

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:

42480/96 Application 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

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: AR

Application no.: 334.436

AU

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Hand-off Between Different Cellular Communications Systems

Country of registration: US Application no.: 08/322.817 Patent no.: 5, 697,055 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

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: TW 84111247

Application 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

Project: UMTS

Title: Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration: Application no.. 95/8574 Patent no.: 95/8574

Countries applicable: ZA

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 Hand-off Between Different Cellular Communications Systems Title:

Country of registration: **PCT**

Application no.: PCT/US95/12636 - WO 96/12380

MY

Countries applicable: n/a

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 Search Acquisition In A CDMA Communication System

Country of registration:

Application no.: PI 9502120

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Hand-off Between Different Cellular Communications Systems

Country of registration: Application no.: 115596

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title: MX

Country of registration: Application no.:

9601211

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 Hand-off Between Different Cellular Communications Systems

Country of registration:

Application no.: 1303/MAS/95

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 Hand-off Between Different Cellular Communications Systems

Country of registration:

1538-95

Application no.: 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 Hand-off Between Different Cellular Communications Systems Title:

Country of registration: Application no.:

AR 333.843

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.: 08/687,694

Patent no.: 5644591 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

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: VN Application no.: S-1750/96

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW Application no.: 84108246

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Search Acquisition In A CDMA Communication System

Country of registration: KR Application no.: 701598/96

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 Project:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: Application no.: 95/5939 Patent no.: 95/5939 Countries applicable: 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: **UMTS**

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: SG

Application 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

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:

RU 96108238

Application no.: 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 Providing Redundant Coverage Within A Cellular Communication System

EPO

Country of registration: Application no.: 95940876,6

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

Project: UMTS

Title: Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration: MY

Application no.: PI 9503066

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MX
Application no.: 978050

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: RU

Country of registration: Application no.:

plication no.: 95122624,09

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: EPO **Application no.:** 95901241

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

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

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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: Application no.:

Application no.: 94190922

Notes: 94190922

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: CA **Application no.:** 2153148

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: B

Application no.: PI9405750-

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: AU
Application no.: 10558/95
Patent no.: 683706
Countries applicable: AU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 08/532,383 Patent no.: 5655220

Countries applicable: 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

Company name:

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: US Application no.: 08/407,543 5590408 Patent no.: 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

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.: S19970959

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 Automatic Gain Control Title:

Country of registration: US Application no.: 08/426,551

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit

Country of registration: JΡ

Application no.: 514538/95

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 Automatic Gain Control Title:

Country of registration: PCT

Application no.: PCT/US96/05573 - WO 96/33555

Countries applicable: n/a

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: KR Application no.: 702894/95

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

JΡ Country of registration: Application no.: 531982/96

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

Project: **UMTS**

Title: Temperature Compensated Automatic Gain Control

Country of registration:

Application no.: 97/3994

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FPO

Application no.: 96913015.2

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 Automatic Gain Control Title: CN

Country of registration:

Application no.: 96193979,6

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Temperature Compensated Automatic Gain Control

Country of registration: Application no.:

AU 55676/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 VN.

Country of registration:

S1385/95 Application 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: TW Application no.: 85104244

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:

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: KR

Application no.: 704813/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

97119052

RU

Application 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: Application no.:

JΡ 514540/95

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: JP

514565/95

Application 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

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 FΙ

Country of registration: Application no.:

96/2034 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Method for Facsimile Data Transmission Title:

Country of registration: Application no.: 95902565.1

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

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 Facsimile Data Transmission

Country of registration: CN Application no.:

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**

System and Method for Facsimile Data Transmission Title:

Country of registration: CA Application no.: 2176591

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

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration:

Application no.: PI9408064-0

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: Qualcomm Inc.

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: ΑU

Application no.: 11793/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: US Application no.: 08/426,763 Patent no.: 5590406 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: VN Application no.: S1975/96

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 Project:

Title: A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: US Application no.: 08/152,162 Patent no.: 5487175 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

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: FΙ

Country of registration:

Application 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

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: **PCT**

Application no.: PCT/US94/13093 - WO 95/14358

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

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

Application no.: PCT/US95/02125 - WO 95/23460

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

Title: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: Application no.: 96/2035

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FPO

Application no.: 95901242.8

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 of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: Application no.:

CN 9419457,4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: CA Application no.: 2176590

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

BR Country of registration:

PI9408065-8 Application 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

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: ΑU Application no.: 10559/95 Patent no.: 679592 Countries applicable: ΑU

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 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit

Country of registration: US Application no.: 08/152,158 Patent no.: 5479475 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: RU

Application no.: 95117903,09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: PCT
Application no.: PCT/US94/1

Application no.: PCT/US94/13091 - WO 95/14356

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:
Application no.:

RU 96111813

Application 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

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: 0265178

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: EPO 89902364,2 Patent no.: 417099 Countries applicable: EPO

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

677

Company name: Qualcomm Inc.

Project: UMTS

Title: Alternating Sequential Half Duplex Communication System

Country of registration:

Application no.: 89902364,2 417099

Countries applicable:

Patent no.:

BF Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.: 89902364,2 Patent no.: 417099 Countries applicable: AT

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**

Alternating Sequential Half Duplex Communication System Title:

Country of registration: Application no.: 30597/89 Patent no.: 624120 Countries applicable: ΑU

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 Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: US Application no.: 06/921,261 Patent no.: 4901307

Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: GB Application no.: 87309122,7 Patent no.: 0265178 Countries applicable: 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SF

Application no.: 87309122,7 Patent no.: 0265178 SE

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**

Title: Alternating Sequential Half Duplex Communication System

Country of registration:

Application no.: 89902364,2 Patent no.: 417099

Countries applicable: DF

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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: NL Application no.: 87309122,7 Patent no.: 0265178 Countries applicable: NL

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: Alternating Sequential Half Duplex Communication System

Country of registration:

Application no.: 89902364,2 Patent no.: 417099 Countries applicable: IT

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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: JĖ

261509/87 Application 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Ш Application no.: 84198 Patent no.: 84198 Countries applicable: Ш

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**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: GR Application no.: 3015768 Patent no.: 0265178

Countries applicable: GR

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

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration:

Application no.: 87309122,7 Patent no.: 0265178 DF

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

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

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**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: EPO Application no.: 87309122,7 Patent no.: 0265178 Countries applicable: **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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: CA Application no.: 549475 Patent no.: 1294074

Countries applicable: CA

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**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: BE Application no.: 87309122,7 Patent no.: 0265178 Countries applicable: BF

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AT Application no.: 87309122.7 Patent no.: 0265178

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

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: FS Application no.: 87309122,7 Patent no.: 0265178

Countries applicable: ES

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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

ΑU Countries applicable:

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: MX Application no.: 9504538

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: MY

Application no.: PI9601234

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: JΡ

Application no.: 522410/95

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 Project:

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.: 117831

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: ID Application no.: P950337

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: IN

Application no.: 96/MAS/95

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.: 95/5072 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 95911058.6

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

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: CN

Application no.: 95190118.4

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CL

Country of registration: Application no.:

496/96

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: Alternating Sequential Half Duplex Communication System

Country of registration: Application no.: 89902364,2 Patent no.: 417099 Countries applicable: FR

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 Project:

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Country of registration: BR

Title:

Application no.: PI9505674-2

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 Facsimile Data Transmission

Country of registration: KR Application no.: 702560/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: AR

Application no.: P960102118

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: US Application no.: 07/145,176

Patent no.: 4979170 Countries applicable: 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

Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration: Application no.: 89902364,2 Patent no.: 417099

Countries applicable: GB

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: Application no.: 89902364,2 Patent no.: 417099 Countries applicable: СН

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**

Alternating Sequential Half Duplex Communication System Title:

Country of registration: Application no.: 89902364,2 Patent no.: 417099 Countries applicable: SE

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: SG Application no.: 9608554-3 Patent no.: 640561

Countries applicable: SG

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 Communicating System

Country of registration: PCT

Application no.: PCT/US88/04621 - WO 89/06838

Patent no.: n/a

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: NL Application no.: 89902364,2 Patent no.: 417099

Countries applicable: NI

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: LU Application no.: 89902364.2 Patent no.: 417099

Countries applicable: LU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: JP

Application no.: 502240/89

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA

Application no.: 2158577

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Folicy, in respect of the STANDARD, to the extent that the IFRS remain ESSEN

Company name: Qualcomm Inc.

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

US 08/495,382

Application 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

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: PCT

Application no.: PCT/US94/13175 - WO 95/14347

JP

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

Application no.: 505753/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

Application no.: 114703

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: ID

Application no.: P951444

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: IN

Application no.: 844/MAS/9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

97/0319

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: FPO

95926183.5

Application no.:

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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: CN Application no.:

95194312.X

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: CL Application no.: 1079/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

CA

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

2195984 Application 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

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: MX Application no.: 970632

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: ΑU

Application no.:

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**

Remote Transmitter Power Control in a Contention Based Multiple Access System Title:

Country of registration: PCT

Application no.: PCT/US95/08476 - WO 96/03813

Countries applicable: n/a

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

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

Application no.: SC0098/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

KR Application no.: 704425/96

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: ZΑ Application no.: 95/0797

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: Application no.:

RU 96118486

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: **PCT**

PCT/US95/01831 - WO 95/22210 Application no.:

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

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: MX Application no.:

963371

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: JÝ

Application no.: 521400/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: ID Application no.:

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

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: IN

Application no.: 100/MAS/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration:

FI 96/3153

Application no.: 96/315

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Folicy, in respect of the STANDARD, to the extent that the IFRS Telhall ESSENTIA

Company name: Qualcomm Inc.

Project: UMTS

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

BR PI9508428-2

Notes: The S

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Signal Strength In A Variable Data Rate System

Country of registration:

EPO 96923315,4

Application no.: Notes:

96923315,4
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Modulating Signal Waveforms in a CDMA Communication System

Country of registration: US
Application no.: 08/223,076
Patent no.: 5497395
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

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: US
Application no.: 08/490,694
Patent no.: 5703902

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

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:

TW 85106787

US

Application no.: 8510678

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Signal Strength In A Variable Data Rate System

Country of registration: KR

Application no.: 709454/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Determining Signal Strength In A Variable Data Rate System

Country of registration: Application no.:

96/4961

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

PCT/US96/10458 - WO 97/00562

Countries applicable: n/a

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

MX9710144

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 Determining Signal Strength In A Variable Data Rate System Title:

Country of registration: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IL

Country of registration:

118635 Application 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

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.: P961715

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

MY

Application 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

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.:

97/4471

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

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: CĹ Application no.: 145/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Signal Strength In A Variable Data Rate System

Country of registration: CL Application no.: 926/96

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 Determining Signal Strength In A Variable Data Rate System Title: ΑU

Country of registration: Application no.:

63862/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Signal Strength In A Variable Data Rate System

Country of registration: Application no.:

337083

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

VN. SC0593/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.. 08/280,095 Patent no.: 5604730 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: TW Application no.: 84107990

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:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: KR Application no.:

700261/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.: 95/5843

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: SG

Application no.: 9700545-8

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: Remote Transmitter Power Control In A Contention Based Multiple Access System RU

Country of registration: Application no.:

97102704

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Signal Strength In A Variable Data Rate System IN

Country of registration:

Application no.: 920/MAS/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 CL

Country of registration: Application no.:

1003/95 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SG Application no.: 9700213-3

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 Project: Title:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: RU Application 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

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: PCT Application no.:

PCT/US95/08660 - WO 96/02097

Countries applicable: n/a

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

Project: UMTS

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: 970310

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 MY

Country of registration: Application no.:

PI9501933

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

JΡ 504464/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

IL 114512

ID

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

P951322

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: Notes:

840/MAS/95 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Application 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project:

UMTS

Title:

Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: Application no.:

EPO 95910993,5

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: CN

Application no.: 95194019,8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW 84107668 Patent no.: NI-082742

Countries applicable: 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

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: CA **Application no.:** 2193979

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: PI9508263-

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AU Application no.: 29693/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 08/668,135
Patent no.: 5563807
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: System and Method for Reducing Bottlenecks In Low Data Rate Networks Processing Facsimile Data

Transmission

Country of registration: US Application no.: 08/484,808 5566000 Patent no.: Countries applicable: 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

Qualcomm Inc. Company name:

Proiect: **UMTS**

Facsimile Data Transmission Over A Low Data Rate Network By One Dimensional Decoding And Two Title:

Dimensional Re-Encoding

Country of registration: US Application no.: 08/484,806 Patent no.: 5515177 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

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: VN Application no.: S1976/96

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 Facsimile Data Transmission

Country of registration: US Application no.: 08/152,157

Patent no.: 5539531 Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: AR

Application no.:

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**

Notes:

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: FPO Application no.:

95925608,2

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.

Project: **UMTS**

Method And Apparatus For Providing A Communication Link Quality Indication Title:

Country of registration: ID Application no.: P950151

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: ŔŪ Application no.: 96112111

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: CA

Application no.: 2183258

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: Dynamic Sectorization In A Spread Spectrum Communication System ΑU

Country of registration: Application no.:

18762/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 A Communication Link Quality Indication

Country of registration: Application no.: 84100976 Patent no.: NI-86560 Countries applicable: TW

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 Project:

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.: 704311/95

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 Providing A Communication Link Quality Indication

Country of registration: Application no.: 95/0600 Patent no.: 95/0600 Countries applicable: 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: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication RU

Country of registration: Application no.:

95120094

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 Providing a Communication Link Quality Indication

Country of registration:

Application no.: PCT/US95/01339 - WO 95/21494

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 9504148

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 MY

Country of registration:

Application no.: PI9500169

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: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

ZΑ 95/5603

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

KR

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

707444/96 Application 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

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.: 98/MAS/95

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 Project: Title:

Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

Application no.:

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 Providing A Communication Link Quality Indication Title:

Country of registration: **EPO**

Application no.: 95910159,3

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

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

Application no.: 95190055.2

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CL

Application no.: 144/95

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 Providing A Communication Link Quality Indication Title: CA

Country of registration: Application no.:

2158157

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.:

PI9505642-4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΑU

Country of registration:

18369/95 Application 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

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: VN

Application no.: SC0483/96

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 Project:

Title: Reverse Link, Closed Loop Power Control In A Code Division Multiple Access System

Country of registration: US Application no.: 08/272.484 Patent no.: 5603096 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

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: CN

Application no.: 95192207,6

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

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

Application no.: 520733/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

96/10717

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

VΕ Application no.: 823/91

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 Project:

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.: n/a

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 Project:

Title: Frequency Tracking for Orthogonal Walsh Modulation

Country of registration: US Application no.:

08/625,481

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

AR 96/10718

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: **UMTS**

Project:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction Title:

with the GSM A-Interface Telecommunications Network Protocol ΑU

Country of registration:

Application no.:

16893/97

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

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:

CL 2274-96

Application 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

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.:

CN 96192005.I

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

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

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.:

ID P-970030

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: HU

Application no.: P9303239

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: PCT

Application no.:

PCT/US96/20764 - WO 97/23108

Patent 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

n/a

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration:

KR 703318/92

Application 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

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.:

86101450

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: TW
Application no.: 84113229
Patent no.: NI-084088

Countries applicable: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: GSM Network compatible CDMA based air interface

Country of registration: US **Application no.:** US 08/575,413

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: SG

Application no.: 9608597-2

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MX
Application no.: 23215
Patent no.: 172367
Countries applicable: MX

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: UMT

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: MY

MY

Country of registration: MY
Application no.: P19001953
Patent no.: MY104785A

Countries applicable: MY

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Notes:

Application no.: 515716/90

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: UMT

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: IL
Application no.: 96218
Patent no.: 96218
Countries applicable: IL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

Application no.: PI9106592-5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction Title:

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

2079/MAS/96

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: MXApplication no.: 26360 173818 Patent no.: Countries applicable: MX

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Assisted CDMA to Alternative System Hard Handoff

Country of registration: AR Application no.: 335,584

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title: ĆŃ

Country of registration:

Application no.: 91105315.8

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: C7

Application no.: PV3871/92

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: ΕĠ

Application no.: 390/91

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: Application no.:

EPO 91915727.1

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

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration:

Application no.: 92/5812

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

92/04111

HU

Application 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

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 IN

Country of registration: Application no.:

474/MAS/91

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 98598 Patent no.: 98598 Countries applicable: Ш

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 Project:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: US Application no.: 07/543,496 Patent no.: 5103459 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

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: MY Application no.: PI9101131 Patent no.: MY108626

Countries applicable: MY

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:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: TW Application no.: 80105598 Patent no.: NI-54919 TW 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

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: ΝÔ

Application no.: 92/5019

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

PCT PCT/US91/04400

Patent no.: n/a

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 Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

Notes:

Notes:

ΡŤ 98079

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: Application no.:

RO 92/01620

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: Application no.:

92016467

RU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SA Application no.: 92120519

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: SG

Application no.: 9608524-6

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

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: SK

PV3871/92

Application no.:

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

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: ΖĂ Application no.: 91/4847

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: FΙ

Application no.: 92/2083

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 JΡ

Country of registration: Application no.:

514045/91

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

US

Country of registration:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System NO

Application no.: 92/1792 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

08/898,741 Application 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

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:

Title:

Application no.: 85107055

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 Project:

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration: ZA Application no.: 96/4962 96/4962 Patent no.:

Countries applicable: ZΑ Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: PCT Application no.: PCT/US96/10576 - WO 97/00585

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

Title: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration:

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 Managing Load Conditions In A Wireless Local Loop System

Country of registration: ΙL Application no.: 118652

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

P961747

Application 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

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:

927/96 Application no.:

Notes:

CI

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 AR

Country of registration: Application no.:

337.111

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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.: 887/MAS/90

Patent no.: 4901265

Countries applicable: IN

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 08/413,306 Patent no.: 5594718

Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration: Application no.:

IN 866/MAS/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.:

97117981

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: PCT/US96/04158

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**

Project:

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off ID

Country of registration: Application no.:

P-960849

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: Application no.:

P-960849

ID

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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title: **EPO**

Country of registration: Application no.:

96911435,4 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Application no.: 96192896.4

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 Project:

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: CA

Application no.:

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: BR

Application no.: PI9607947-8

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

Project: UMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: Application no.:

54323/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration:

CA 2072876

EPO

96926056,1

Application 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

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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System EPO

Application no.: 90916945.0

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: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: CN 9109758.6 Application no.: Patent no.: 90109758.6

Countries applicable: CN

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 2072389

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BG Application no.: 98704

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.: P19007826-8 Patent no.: PI9007826-8

Countries applicable: BR

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

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.. 68263/90 Patent no.: 646001 Countries applicable: ΑU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: VN Application no.: SC0771/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Signal Acquisition In A Multi-User Communication System Using Multiple Walsh Channels

Country of registration: UŠ Application no.: 08/497,240 Patent no.: 5577025 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

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: RU Application no.: 97105180

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CN Application no.: 96194583,4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels Title:

Country of registration: FΙ Application no.: 97/1423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 **EPO**

Country of registration:

Application no.: 199800039

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: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration:

Application no.: 96190980,3

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

Project: UMTS

Title: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: CA

Application no.: 2202621

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: Application no.:

ΑU 66356/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Efficient Packet Transmission System and Method Title:

Country of registration: Application no.:

US 08/794,630

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Fast and Efficient Packet Transmission System and Method

Country of registration: TW Application no.:

85108615

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

KR 709147/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 and Efficient Packet Transmission System and Method Title:

Country of registration: ZA Application no.: 96/4332 Patent no.: 96/4332 Countries applicable: 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.

UMTS Project:

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: **PCT**

Application no.: PCT/US96/09684 - WO 96/42149

Countries applicable: n/a

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**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration:

IL

Application 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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: AU
Application no.: 84016/91
Patent no.: 652956

Countries applicable: AU

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: Signal Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: PCT

Application no.: PCT/US96/11125 - WO 97/02663

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW
Application no.: 79109540
Patent no.: NI-49350
Countries applicable: TW

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 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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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

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 Despreader

Country of registration: TW Application no.: 85110590

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 Despreader

Country of registration: ZA
Application no.: 96/6011
Patent no.: 96/6011
Countries applicable: 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

Project: **UMTS**

Title: Adaptive Depressor

Country of registration: PCT

Application no.: PCT/US96/12531 - WO 97/05709

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Adaptive Despreader Title:

Country of registration: MY

Application no.: PI9603097

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 Despreader

Country of registration: JΡ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Adaptive Despreader

ID

Country of registration:

Application no.: P962182

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Adaptive Despreader

Country of registration: CL 1237/96 Application 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

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: CN

Application no.: 90109064.6

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 System for Providing a Soft Hand-off in Communications in a CDMA Cellular Telephone

System

Country of registration: US Application no.: 07/433,030

Patent no.: 5101501

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: Qualcomm Inc.

Project: **UMTS**

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: JΡ Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: KR Application no.: 700704/91

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA Application no.: 90/8857 90/8857 Patent no.: Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: SG Application no.: 9608720-0

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: Qualcomm Inc.

UMTS Project:

Title: Soft Handoff In A CDMA Cellular Telephone System

Country of registration: PCT Application no.: WO 91/07020

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration: NO Application no.: 92/1793

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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: MXApplication no.: 23214 Patent no.: 173031

Countries applicable: MX

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 Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: MY Application no.: PI9001938 Patent no.: MY10591A Countries applicable: MY

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

Project: UMTS

Title: Method and System for Providing a Soft Hand-off in Communications in a CDMA Cellular Telephone

System

CA

Country of registration: JĖ

Application no.: 501047/91

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**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration:

2085890 Application 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

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

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 Project:

Method and Apparatus for Time Division Duplex Pilot Title:

Country of registration:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: AU 68748/91 Application no.: Patent no.: 649987

Countries applicable: ΑU Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Assisted Soft Hand-off in a CDMA Cellular Communications System

Country of registration: US Application no.: 08/226,222 Patent no.: 5640414 US

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

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

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: Same Frequency, Time-Division-Duplex Repeater

Country of registration: US

Application no.:

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

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 n/a

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

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:

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 Time Division Duplex Pilot Title:

Country of registration: US Application no.: 08/515,501 Patent no.: 5680395

Countries applicable: US

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 Time Division Duplex Pilot

Country of registration: TW Application no.: 85113571 Patent no.: NI-087166 Countries applicable: TW

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 Time Division Duplex Pilot **7**A

Country of registration: Application no.: 96/6506

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method And System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: AR Application no.: 337987

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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 Time Division Duplex Pilot

Country of registration:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes:

CL 1467/96

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 Time Division Duplex Pilot

Country of registration:

Application no.: 119057

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

ID

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: Notes:

IN

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CL

Country of registration:

1340/96 Application no.:

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 Time Division Duplex Pilot

Country of registration:

AR Application no.: 337753

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 System For Processing The Plurality Of Multiple Access Transmissions

Country of registration:

Application no.:

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 System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: TW

Application no.: 85111160

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 Processing The Plurality Of Multiple Access Transmissions

Country of registration: Application no.: 96/7115 Patent no.: 96/7115 Countries applicable: **7**A

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

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 n/a

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

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: **EPO**

Application no.: 90917730.5

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Application no.: PCT/US96/13009 - WO 97/07646

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: RU Application no.: 93058305

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 Project:

Method And System For Non-Orthogonal Noise Energy Based Gain Control Title:

Country of registration: Application no.: 96/7083 Patent no.: 96/7083 Countries applicable: 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.

UMTS Project:

Title: Method and System for Non-Orthogonal Noise Energy Based Gain Control

Country of registration: PCT

Application no.: PCT/US96/13653 - WO 97/08848

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Notes:

Title: Method And System For Non-Orthogonal Noise Energy Based Gain Control

JΡ Country of registration:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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 System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: Application no.:

1465/96 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Non-Orthogonal Noise Energy Based Gain Control

Country of registration: Application no.: 337948

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: US Application no.: 07/433.031 5056109 Patent no.: 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: TW Application no.: 79109543 Patent no.: NI-50434 Countries applicable: TW

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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: KR Application no.: 700706/91

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the FTSI 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: JΡ

Application no.: 501047/91 - WO 89/06884

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

SG 9609122-8

Application 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Spread Spectrum Transmitter Power Control Method and System

Title: Country of registration: US Application no.: 07/749,249 Patent no.: 5257283 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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration:

94/00586

Application 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

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: PCT

Application no.: PCT/US90/06418 - WO 91/07037

Countries applicable:

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**

Diversity Receiver In A CDMA Cellular Telephone System Title:

Country of registration: PCT

Application no.: PCT/US90/06417 - WO 91/07036

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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: KR Application no.: 700705/91

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 Project:

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: US Application no.: 07/432,552 Patent no.: 5109390 Countries applicable: US

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**

Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: AR

Title:

Application no.:

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: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: PCT

Application no.: PCT/US96/18293 - WO 97/20402

Patent 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: UŠ

08/558,557

Application no.: 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

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: ΑŔ Application no.: 320019 Patent no.: 249917

Countries applicable: AR

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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

ZA 90/8859

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 Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: CA

Application no.: 90109068.8

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: FΙ Application no.: 92/2082

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 Project:

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration:

Application no.: 889/MAS/90

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: Application no.: 96220 Patent no.: 96220 Countries applicable: IL

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 JP

Country of registration:

Application no.: 500495/91

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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: Application no.: PI9001952 Patent no.: MY104809A

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

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: MX
Application no.: 23211
Patent no.: 173030

Countries applicable: MX

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: NO Application no.: 92/1794

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IL
Application no.: 96219
Patent no.: 96219
Countries applicable: IL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IN

Application no.: 888/MAS/90

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: TW

Application no.: 85111161

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: EPO 91900460.6

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

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: US
Application no.: 08/518,218
Patent no.: 5754533
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

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: BR

Application no.: PI9007828-4

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: Application no.:

ΑU 69041/91

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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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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

Country of registration: US Application no.: 07/773,067 Patent no.: 5267262 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS**

Transmitter Power Control System Title:

Country of registration: PCT

Application no.: PCT/US92/08613 - WO 93/07702

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Transmitter Power Control System

Country of registration: JΡ

Application no.: 507203/93

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Controlling Transmission Power in a CDMA Cellular Mobile Telephone System Title:

Country of registration: US Application no.: 07/702,029 Patent no.: 5265119 Countries applicable: US

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 Controlling Transmission Power In A CDMA Cellular Mobile Telephone

System

Country of registration: PCT

PCT/US92/04161 - WO 92/21196 Application no.:

Countries applicable:

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 Mobile Telephone System

Country of registration:

Application no.: 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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: KR

Application no.: 706898/97

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**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title: FΙ

Country of registration: Application no.:

92/2081

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration:

UA Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.: 97114841

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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: Application no.:

AR

FPO

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 Providing Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels

Country of registration:

Application no.: 96907122.4

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Generating Super-Orthogonal Convolutional Codes and the Decoding Thereof Title:

Country of registration: US Application no.: 07/489,677 Patent no.: 5193094

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 Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

CA Application no.:

Notes:

2213998

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

Application no.:

P960101351

AR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: US Application no.: 08/741,229 Patent no.: 5757767 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

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.:

Notes:

117275 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: Country of registration:

Application no.:

08/378.300

US

Ш

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Method and Apparatus for Detection and Bypass of Tandem Vocoding

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels

Country of registration:

Application no.:

JΡ 526373/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 85104166 Patent no.: NI-082567 Countries applicable: TW

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

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration:

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: RU Application no.: 97114099

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

PCT/US96/01166 - WO 96/23297 Application no.:

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Detection and Bypass of Tandem Vocoding

Country of registration: NZ Application no.: 302523

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MY

PI 9600272 Application 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

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.: 523051/96

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 Project:

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: Application no.:

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: VN

Application no.: S19970681

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

Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.: PI9607165-6

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

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.: PCT/US96/01614 - WO 96/24232

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: MXApplication no.: 975787

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 Paging A Concentrated Subscriber System for Wireless Local Loop Title: MY

Country of registration:

Application no.: PI 9600327

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop Title:

Country of registration:

Application no.: 523785/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Notes:

Application no.:

IL 116945

JP

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

ID Application no.: P-960227

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IN

Application no.: 58/MAS/96

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

Project: UMTS

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

ID Application no.:

Notes:

P960477

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

CL

Application no.:

44-96

Notes:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

CN

Application no.:

96192720.8

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AR

Application no.:

P960101207

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels US

Country of registration:

Application no.:

08/838,240

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

TW

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration:

Application no.: Patent no.:

85101612 NI-080310

Countries applicable:

Notes:

TW

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

Application no.:

KR

Notes:

705935/97 The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration: ZA Application no.: 96/1025 96/1025 Patent no.: Countries applicable: ZΑ

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 Providing Variable Rate Data In A Communications System Using Non-Title:

Orthogonal Overflow Channels RU

Country of registration: Application no.:

97115902

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**

Project:

Title: Method and Apparatus for Providing Variable Rate Data in a Communications System Using Non-

Orthogonal Overflow Channels

Country of registration: **PCT**

PCT/US96/02607 - WO 96/27250 Application no.:

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: 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: MY

Application no.: PI9600555

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Paging A Concentrated Subscriber System for Wireless Local Loop **EPO**

Country of registration: Application no.:

96903788,6

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

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 Controlling Transmit Power In A Cellular Communication System

Country of registration:

ΙĎ Application no.: P-962546

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Broadcast Messages in a Communications Network

Country of registration:

CL

Application no.: 1473-95

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 Providing Broadcast Messages in a Communications Network

Country of registration: 2200962 Application no.:

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

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: PI9509104-1

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: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration:

ΑU Application no.: 36433/95

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Apparatus and Method for Controlling Transmit Power In A Cellular Communication System Title:

Country of registration: US 08/525,899

Application 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

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 TW

Country of registration: Application no.:

85113572

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA 96/6929 Application no.: Patent no.: 96/6929 Countries applicable: ZΑ

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 Detection and Bypass of Tandem Vocoding

Country of registration:

Application no.: 25/MAS/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 97/1243

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration:

Application no.: 1047-96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Controlling Transmit Power In A Cellular Communication System

Country of registration:

AR 338069

Application no.: 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: US Application no.: 08/521,673 Patent no.: 5584049 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

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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: VN Application no.: S-1917/96

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 Project:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Title:

Country of registration: US Application no.: 08/304,730 Patent no.: 5475870 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

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: TW Application no.: 84109312 Patent no.: NI-077779 Countries applicable: TW

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: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: KR Application no.: 701890/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: Application no.: 95/7614 Patent no.: 95/7614

Countries applicable: 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: UMTS

Title: Apparatus and Method for Controlling Transmission Power in a Cellular Communications System

Country of registration: PCT

Application no.: PCT/US96/14406 - WO 97/09794

Countries applicable: n/a

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 Providing Broadcast Messages in a Communications Network

Country of registration: RU Application no.:

97107643

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration:

IN Application no.:

194/MAS/96

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 Detection and Bypass of Tandem Vocoding

Country of registration: CA Application no.: 2211463

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Detection and Bypass of Tandem Vocoding

Country of registration: BR

Application 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

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 ΑU

Country of registration:

Application no.: 48598/96

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 Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: 08/912,049

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

Project: UMTS

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: SC0771/97

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 84110059 Patent no.: NI-082682 Countries applicable: 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

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Broadcast Messages in a Communications Network

Country of registration: CN

Application no.: 95196456.9

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 Project:

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: SG Application no.: 9701524-2

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 Providing Broadcast Messages in a Communications Network

Country of registration:

EPO Application no.: 95933968

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **PCT**

PCT/US95/12389 - WO 96/10895 Application no.:

Countries applicable:

n/a

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 Providing Broadcast Messages in a Communications Network

Country of registration: Application no.:

MX

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

Application no.: PI 9502754

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: JΡ Application no.: 512005/96

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 Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: 115463

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 ID

Country of registration:

Application no.: P-951993

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Broadcast Messages in a Communications Network Title: IN

Country of registration:

1181/MAS/95 Application 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

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.: 96904513.7

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 Project:

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: ZA Application no.: 95/7816 Patent no.: 95/7816 Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Power Control in a Mobile Communication System

Country of registration: ID Application no.: P-960811

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: PCT

Application no.: PCT/US96/15695 - WO 97/12493

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

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: **7**A Application no.: 96/8111 Patent no.: 96/8111 Countries applicable: ZA

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: US

Application no.: 08/535,998

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

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 Project:

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 n/a

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS**

Project:

Dual Distributed Antenna System Title:

Country of registration: Application no.: 08/579.895

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ID Application no.:

P-960811 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Power Control in a Mobile Communication System

Country of registration: AR

Application no.: 335.810 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

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: IN

1718/MAS/96 Application no.:

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 Fast Forward Power Control in a Mobile Communication System FPO

Country of registration: Application no.:

96910643,4

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 Title: CN

Country of registration:

96192934 Application 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

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 Power Control in a Mobile Communication System

Country of registration:

CL 422-96 Application no.:

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 Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

CL 422/96

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 Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

CL 422-96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA Application no.:

2216729

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.:

53782/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Power Control in a Mobile Communication System Title:

Country of registration: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 TW

Country of registration:

85102765

Application 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 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:

MY PI 9601062

Application 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

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 MY

Country of registration:

Application no.: PI 9601062

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 Fast Forward Power Control in a Mobile Communication System JΡ

Country of registration: Application no.:

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 Fast Power Control in a Mobile Communication System

Country of registration: Application no.:

IL 117687

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application 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

Project: UMTS

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

97117953

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA Application no.: 96/2030 Patent no.: 96/2030 Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ID Application no.: P-962770

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

Country of registration: KR Application no.: 706897/97

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** Project:

Title: Early Detection of Mobile to Mobile

Country of registration: IN

Application no.: 1718/MAS/96

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 Fast Power Control in a Mobile Communication System

Country of registration:

85102765

Application 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

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: US

Application no.: 08/958,882

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AR Application no.:

338304

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Variable Rate Data In A Communications System Using Non-

Orthogonal Overflow Channels

Country of registration: Application no.:

CL 198/96

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Early Detection of Mobile to Mobile

Country of registration:

CL

Application no.: Notes:

Title:

1659/96

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: **UMTS** Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: ZA Application no.: 96/0226 96/0226 Patent no.: Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ID Application no.: P-962770

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: AR Application no.: 335.584

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 Fast Power Control in a Mobile Communication System **7**A

Country of registration: Application no.:

96/2030

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:

96919001.6

Application no.:

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

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: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 of Searching for a Bursty Signal

Country of registration: PCT

Application no.: PCT/US96/07567 - WO 96/35268 n/a

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

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:

MX

Country of registration:

Application no.: 978514

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MY

Application no.: PI 9601523

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 Project:

Method of Searching for a Bursty Signal Title:

Country of registration:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IL

Country of registration:

Application no.: 118116

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: P961192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Searching for a Bursty Signal

Country of registration: KR Application no.:

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 of Searching for a Bursty Signal Title:

Country of registration: Application no.: 97/4132

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

Project: UMTS

Title: Method of Searching for a Bursty Signal

Country of registration: CL Application no.: 634/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: AR Application no.: P960101810

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 of Searching for a Bursty Signal Title: ΑU

Country of registration: Application no.:

61458/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: **Dual Distributed Antenna System**

Country of registration: PCT

Application no.: PCT/US96/20656 - WO 97/24818

Countries applicable: n/a

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

VN

Country of registration: Application no.: 336,402

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.: S19970671

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 Paging A Concentrated Subscriber System for Wireless Local Loop Title:

Country of registration: US Application no.: 08/382,472 Patent no.: 5544223

Countries applicable: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop Title: Country of registration: UA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.: 85100239

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: IN

Application no.: 671/MAS/96

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL VN

Country of registration:

Application no.: S19970810

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: VN.

Application no.: S19971059

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: TW Application no.: 85104646 Patent no.: NI-084157 Countries applicable: 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

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.: 08/412,648 Patent no.: 5673259

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

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 KR

Country of registration:

Application no.: 708218/98

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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration:

Application no.: 9704195-8

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

Project: UMTS

Title: Random Access Communications Channel For Data Services

Country of registration:

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**

Random Access Communications Channel for Data Services Title:

Country of registration: PCT

Application no.: PCT/US96/06930 - WO 96/37079

Countries applicable: n/a

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**

Random Access Communications Channel For Data Services Title:

Country of registration: MX Application no.:

978855

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MX Application no.: 976979

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

Random Access Communications Channel for Data Services Title:

Country of registration: .IP 535004/96 Application 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

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:

Application no.: PI9607869-3

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 Project:

Title: Method of Searching for a Bursty Signal

Country of registration: US Application no.:

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**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration: ΑU Application no.: 52985/96

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

Project: UMTS

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration:

Application no.: 96192618.X

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration:

FΙ 97/3654

Application no.:

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**

Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL Title:

Country of registration: Application no.:

EPO 96909525,9

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 of Searching for a Bursty Signal

Country of registration:

VN.

Application no.: SI9971019

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: **UMTS** TD-CDMA Title: Country of registration: n/a

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: n/a

Robert Bosch GMBH has confirmed that it is prepared to grant irrevocable licenses under its IPRs on Notes:

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).

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZΑ Application no.: 97-704132 Patent no.: ZA 94/10066

Countries applicable: KR

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZA 95197655.9 Application no.: Patent no.: ZA 94/10066 Countries applicable: CN

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration:

Application no.: PI9510251-5 Patent no.: ZA 94/10066

Countries applicable: BR 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:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZΑ Application no.: 08/849.875 ZA 94/10066 Patent no.: Countries applicable: US

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ 8-519339 Application no.: ZA 94/10066 Patent no.: Countries applicable: JΡ

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: 297514 Patent no.: ZA 94/10066 Countries applicable: NZ

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

AP/P/96/00779 Application no.: ZA 94/10066 Patent no.: Countries applicable: **ARIPO**

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: Application no.: 95/10789 Patent no.: ZA 94/10066 Countries applicable: ZΑ

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: **7**A Application no.: PCT/GB95/02972 Patent no.: ZA 94/10066 Countries applicable: PCT

Company name: Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZΑ Application no.: 95/090 ZA 94/10066 Patent no.:

Countries applicable: NA

Company name: Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: PI9503918 Application no.: Patent no.: ZA 94/10066

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ

Application no.: 2411/DEL/95 Patent no.: ZA 94/10066

Countries applicable: IN

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZΑ Application no.: 95941197.6 ZA 94/10066 Patent no.: ΕU

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZΑ P972825 Application no.: ZA 94/10066 Patent no.: Countries applicable: NO

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: 97112107 Patent no.: ZA 94/10066 Countries applicable: RU

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Method of Operating a Network ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA ZA 97/1017 Patent no.:

Countries applicable: ZΑ

Company name: Salbu Research & Development (pty) Ltd.

Project:

Power Adaption in a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZΑ

Patent no.: ZA 97/6885

Countries applicable: **7**A

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: 2.208.041 ZA 94/10066 Patent no.: Countries applicable: CA

Company name: Salbu Research & Development (pty) Ltd.

Project:

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZA P952732 Application no.: Patent no.: ZA 94/10066

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Method of Operating a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration:

ZA 97/5022 Patent no.:

Countries applicable: ZA

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: **7**A n/a Application no.: ZA 94/10066 Patent no.:

Countries applicable: UΑ Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Enhanced Cellular Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

Patent no.: ZA 97/1819

Countries applicable: ZA

Company name: Samsung Electronics Corporation (SEC)

Project: **UMTS** Country of registration: n/a

With regard to the W-CDMA technology being elaborated by ETSI as a standard for the UMTS Terrestrial Notes:

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: Method and arrangement for joint channel estimation in a digital multiple access communication system

Country of registration: DE Patent no.: 4 212 300 Countries applicable: DE

Company name: Siemens Project: **UMTS**

Title: TD-CDMA, W-CDMA

Country of registration: n/a

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 Project: **UMTS**

Title: Method and arrangement for transmitting information in a digital radio system

Country of registration: US

Patent no.: 5 648 967 Countries applicable: US

Company name: Siemens Project: UMTS Title: TD-CDMA Country of registration: n/a

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: Telia AB Project: **UMTS** Country of registration: n/a Application no.: 97904710.7

Countries applicable: **EPO**

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Notes:

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: Country of registration: n/a Patent no.: 505 039

Countries applicable: SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Notes: 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: **UMTS** Project: Country of registration: n/a Application no.: 9702266-9

Countries applicable: 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: Telia AB Project: **UMTS** Country of registration: n/a Application no.: 9801621-5 SE

Countries applicable:

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** Country of registration: n/a Application no.: 9801027-5 Countries applicable: 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: Telia AB Project: **UMTS** n/a

Country of registration: Application no.:

PCT/SE98/02357 Countries applicable:

EPO, EE, 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

Company name: Telia AB Project: **UMTS** Country of registration: n/a Application no.: 9704863-1 SE

Countries applicable: 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**

Country of registration: n/a Application no.: PCT/SE98/01157

Countries applicable:

Notes:

EPO, EE, JP, LT, LV, NO, US 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**

Country of registration: n/a Application no.: 9702390-7 Countries applicable:

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**

Country of registration: n/a Application no.: 9602401-3 Countries applicable: 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: Telia AB Project: **UMTS** Country of registration: n/a Patent no.: 504 511

Countries applicable: 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: Telia AB Project: **UMTS**

Country of registration: n/a

Application no.: PCT/SE97/00203 Countries applicable: EPO, 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 Project: **UMTS** Country of registration: n/a Application no.: 19984179 Countries applicable: 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 Project: **UMTS** Country of registration: n/a Application no.: 9501066-6 Countries applicable: 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: Telia AB Project: **UMTS** Country of registration: n/a Application no.: 95930765.3 Countries applicable: **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 Project: **UMTS** Country of registration: n/a 505 006 Patent no.:

Countries applicable:

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** Country of registration: n/a Application no.: 9401948-6

Countries applicable:

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.

ETSI

Company name: Telia AB Project: **UMTS** Country of registration: n/a Application no.: 84193 Countries applicable: 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

Company name: Telia AB **UMTS**

Project: Country of registration:

n/a Patent no.: 2265259 Countries applicable: GB

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: Country of registration: Patent no.:

UMTS n/a 0561735

Countries applicable:

BE, CH, LI, DE, FR, 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: Project:

Telia AB **UMTS** Country of registration: n/a 507 640 SE

Countries applicable: 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:

Telia AB Project: Country of registration: n/a Application no.: Countries applicable:

Notes:

UMTS 9602399-9

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:

Texas Instruments

Project:

UMTS n/a

Country of registration: Notes:

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.

UMTS/CDMA

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: US **Patent no.:** 5263045

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

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: US
Patent no.: 5420896
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

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: IN 181867 Countries applicable: IN

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US
Patent no.: 5351269
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

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: US **Patent no.:** 5224120

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

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: US
Patent no.: 5469468
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

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: US
Patent no.: 5367533
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: US Patent no.: 5588020

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

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: EPO 514539
Countries applicable: EPO

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US
Patent no.: 6011789
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

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: CA
Patent no.: 2091785
Countries applicable: CA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US **Patent no.:** 5228056

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

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: US
Patent no.: 5179572
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

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: US
Patent no.: 5161168
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: US 5365544

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

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: Aripo
Patent no.: AP682
Countries applicable: Aripo

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US
Patent no.: 5663956
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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: TRANSMISSION USING AN ANTENNA ARRAY IN A CDMA COMMUNICATION SYSTEM

Country of registration: US
Patent no.: 6115406
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

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: US Patent no.: US 5274665

Countries applicable: US

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: US
Patent no.: 5703874
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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA
Title: UMTS/CDMA
BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: US
Patent no.: 5991329
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: InterDigital Technology Corp.

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: Aripo Patent no.: AP681 Countries applicable: Aripo

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: NA 96/0050 Patent no.: Countries applicable: 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: InterDigital Technology Corp.

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: PΚ Patent no.: 135344 Countries applicable: PΚ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: PΚ Patent no.: 136510 Countries applicable: PΚ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: PΚ Patent no.: 136521

Countries applicable: PΚ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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/ Patent no.: NI-090280

Countries applicable: TW

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: US Patent no.: 5748687 Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: EPO Patent no.: 515675 Countries applicable: EPO

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US
Patent no.: 5796776
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

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: US
Patent no.: 5974039
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

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: US
Patent no.: 5912919
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

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: US Patent no.: 5991332

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

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: US
Patent no.: 6215778
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

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: US
Patent no.: 6212174
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: Patent no.: 6049535

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

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: US Patent no.: 6157619 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

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: **7**A Patent no.: 96/5340 Countries applicable: ZΑ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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

Country of registration: CA 2091784 Patent no.: Countries applicable: CA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US Patent no.: 5799010

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration: US Patent no.: 5835527 Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Patent no.: 5506864 Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: Patent no.: 5363403

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

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 Patent no.: 5553062 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

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: US Patent no.: 5719852 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

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 CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: US Patent no.: 6014373 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

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: US Patent no.: 5260967

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

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: US Patent no.: RE. 35,402

Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

CDMA/TDMA SPREAD-SPECTRUM COMMUNICATIONS SYSTEM AND METHOD Title:

Country of registration: US Patent no.: 5410568

Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration:

Patent no.: 116444 Countries applicable: IL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are 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 femalif ESSENTIAL

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: NZ
Patent no.: 314383
Countries applicable: NZ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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 SYSTEM AND METHOD

Country of registration: US
Patent no.: 5574747
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

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: JP
Patent no.: 3153894
Countries applicable: JP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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 SYSTEM AND METHOD

Country of registration: US **Patent no.:** 5673286

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

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 SYSTEM AND METHOD

Country of registration: US
Patent no.: 5563907
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

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 SYSTEM AND METHOD

Country of registration: US
Patent no.: 5920590
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration: US **Patent no.:** US 6175586

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

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 SYSTEM AND METHOD

Country of registration: US
Patent no.: 5995538
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

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 SYSTEM AND METHOD

Country of registration: ZA
Patent no.: 95/10969
Countries applicable: 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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT

CODES US

Country of registration:

Patent no.: 5841768 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT

CODES US

Country of registration: US
Patent no.: 6181949
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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: MULTI-CHANNEL VITERBI DECODER

Country of registration: US
Patent no.: 6005898
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

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 SYSTEM AND METHOD

Country of registration: TW 79369
Countries applicable: 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

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: CA Patent no.: 2091783 CA

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

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: US Patent no.: 5535238

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

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: US Patent no.: 5631921 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

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 MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: AR Patent no.: 252826 Countries applicable: AR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance 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: US Patent no.: 5093840

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: InterDigital Technology Corp.

UMTS/CDMA Project:

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration: ΝZ Patent no.: 290723 Countries applicable: ΝZ

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: SG Patent no.: 43891 Countries applicable: SG

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: US
Patent no.: 5299226

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: EPO
Patent no.: 515610
Countries applicable: EPO

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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: CA
Patent no.: 2091782
Countries applicable: CA

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: EPO Patent no.: 515624 Countries applicable: EPO

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: US 5081643

Countries applicable: US

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CELLULAR HANDOFF APPARATUS AND METHOD

Country of registration: US
Patent no.: 5179571
Countries applicable: US

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CELLULAR HANDOFF APPARATUS AND METHOD

Country of registration: US
Patent no.: 5345467
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: HIGH CAPACITY SPREAD SPECTRUM CHANNEL

Country of registration: US **Patent no.:** 5166951

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

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: AU
Patent no.: 701816
Countries applicable: AU

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: AR
Patent no.: 252087
Countries applicable: AR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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VDSI

Company name: Marconi Communications Ltd.

Project: VDSL

Title: High speed digital subscriber lines

Country of registration: **EPO** Application no.: 94307769.3 Patent no.: 0653859 Countries applicable: FR, ES, IT, SE 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.

VDSL Project:

Title: High speed digital subscriber lines

Country of registration: ΑŪ 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:

Title: High speed digital subscriber lines

Country of registration: **EPO** Application no.: 94307769.3 Patent no.: P.69416641.3 Countries applicable: DE

ETSI Deliverable: TS 101 270-2

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.

Marconi Communications Ltd. Company name:

Project: **VDSL** Title: High Speed digital subscriber lines

Country of registration: PCT

Application no.: GB94 / 02492 Pending **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: 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**

High speed digital subscriber lines Title:

Country of registration: US

Application no.: 08 / 334 838 Patent no.: 5668802 Countries applicable: US **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

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.

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
V1.4.1	November 1999	Publication
V1.5.1	December 2000	Publication
V1.6.1	August 2001	Publication
V1.7.1	December 2001	Publication
V1.8.1	April 2002	Publication