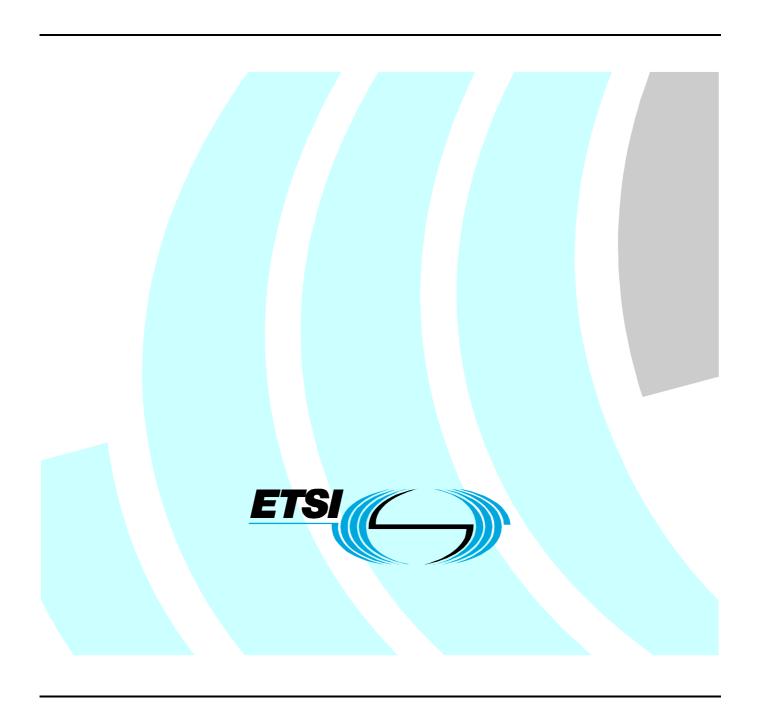
ETSI SR 000 314 V1.9.1 (2002-11)

Special Report

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



Reference RSR/IPRC-00007 Keywords IPR

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

Individual copies of the present document can be downloaded from: <u>http://www.etsi.org</u>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

http://portal.etsi.org/tb/status/status.asp

If you find errors in the present document, send your comment to: editor@etsi.org

Copyright Notification

No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2002. All rights reserved.

DECTTM, **PLUGTESTS**TM and **UMTS**TM are Trade Marks of ETSI registered for the benefit of its Members. **TIPHON**TM and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members. **3GPP**TM is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

Contents

Intelle	ectual Property Rights	3
Forew	vord	3
1	Scope	3
2	Definitions and abbreviations.	2
2.1	Definitions and desirevitations.	
2.2	Abbreviations	
3	Notified IPRs	
3.1	Notifications	
3GPP		
	AMR-WB	
3GPP/		
BRAN	Modem	
DAB	Wodem	
DCS 1		
DECT		
DECT		
DIIS		
DTM		
DTS		
DVB		3
ERM		3
ERME	S	3
GMR		
GPRS		
GSM		
	AMR-NB	
	ГDMA	
HDSL		
HIPER	RLAN 2	
	lecom	
ISDN	iccom	
	l Interception	
	28 Pos	
PLT		_
PSTN		3
RES		3
SDH		3
SDSL		3
	n Recognition	3
STAG		3
	sion systems	3
TETR		زَ
	A DMO	
TFTS TIPHO		ت د
UMTS		: د
	5/CDMA	
V5 Int	erface	
VDSL		
3.2	Other declarations.	
Histor	'y	3

Intellectual Property Rights

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

Foreword

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

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

BN Brunei Darussalam

BO Bolivia 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 Fiii

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 KG Kyrgyzstan Cambodia KH Kiribati ΚI KM Comoros

KN Saint Kitts And Nevis KP Korea, Dem. People's Rep. Of

KR Korea, Republic Of

KW Kuwait

KY Cayman Islands KZ Kazakhstan

LA Lao People's Dem. Rep.

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

LY Libyan Arab Jamahiriya

MA Morocco MC Monaco

MD Moldova, Republic Of

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

MP Northern Mariana Islands

MQ Martinique Mauritania MR MS Montserrat MTMalta MU Mauritius Maldives MVMW 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 SG Singapore 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

WS Samoa 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 3GPP

Title: Data Transfer Method for Real-time Communications

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

Countries applicable: US
ETSI Deliverable: TS 125 322

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

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

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

Company name: CCL/ITRI 3GPP

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

Country of registration: TW
Application no.: 88104305
Patent no.: Countries applicable: US

ETSI Deliverable: TS 125 922

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

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

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

Company name: CCL/ITRI Project: 3GPP

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

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

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

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

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

ETSI Deliverable: TS 125 922

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

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

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

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real-Time Communications

Country of registration: TW
Application no.: 09/116,681
Patent no.: Countries applicable: US

ETSI Deliverable: TS 125 922

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

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

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

Company name: CCL/ITRI Project: 3GPP

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

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

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

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

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

Company name: CCL/ITRI Project: 3GPP

Title: Data Transfer Method for Real-time Communications

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

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

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

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

Company name: CCL/ITRI Project: 3GPP

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

Country of registration: TW Application no.: 09/234,871 Patent no.: Countries applicable: US

ETSI Deliverable: TS 125 322 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

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

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

Company name: Media Farm Inc.

Project: 3GPP

Remote Displays in Mobile Communication Networks Title:

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

ETSI Deliverable: TS 22.057; TS 23.057

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

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

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

Company name: Mitsubishi Electric Corporation

Project: 3GPP

Data Conversion Apparatus and Data Conversion Method Title:

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

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

This declaration (the DECLARATION) is given this 8th day of October 1999, by Suketaka Tachibana, Notes:

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

laws of France.

DF

Company name: MOTOROL A

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Title:

Application no.: 89113864.6 P68912672.7 Patent no.:

Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

3GPP Project: Title:

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: ES

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: ES

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

INTERCHANGE

Country of registration: MX

Application no.: PA/A/2002/006696

Countries applicable: MX

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

IT Application no.: 89113864.6 EP0352786 Patent no.: IT

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP Title:

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: HU Application no.: P9800843 Patent no.: 219255 HU

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: NI 89113864.6 Application no.: Patent no.: EP0352786

Countries applicable: NL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: 3GPP Project:

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

CDMA COMMUNICATION SYSTEMS

Country of registration: BR

Application no.: PI9912642-7 BR

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: BR Application no.: PI8807880 Patent no.: PI8807880-9

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: Application no.:

99963155.9 EP1101368 **EPO**

Countries applicable: Notes:

Patent no.:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project:

3GPP BR

Title:

METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: Application no.:

PI9912272-3

Countries applicable:

BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name:

MOTOROLA

Project: Title:

3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

ES 89113864.6

Application no.: Patent no.:

EP0352786

Countries applicable:

ES

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

Project:

3GPP

Title: Country of registration: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Application no.:

BR PI9607249-0

Patent no.:

9607249-0

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA

Company name: Project:

3GPP

Title:

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: Patent no.:

89113864.6 EP0352786

Countries applicable:

SE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: Title:

3GPP

Country of registration:

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

GR

Application no.: Patent no.:

89113864.6 3030676

Countries applicable: Notes:

GR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: AT

Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

INTERCHANGE

Country of registration: HU

Application no.: PCT/US01/00256

Countries applicable: HU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FPO Application no.: 89113864.6 Patent no.: EP0352786 EPO

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

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

INTERCHANGE

BR

Country of registration:

Application no.: PI0107467-9

Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: FR Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

SYSTEM Country of registration: BR

Application no.: PI0012234-3

Countries applicable:

BR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GB

Application no.: 89113864.6 Patent no.: EP0352786 GB

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

DEDICATED MODE

Country of registration: **PCT**

Application no.: PCT/US01/18121

Countries applicable: Notes:

PCT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: MY Application no.: PI9400441

Countries applicable: MY

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: SG Application no.: EP0179898 Patent no.: 9090304-8

Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: FR Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: HK Application no.: EP0310876 Patent no.: 188/1997 Countries applicable: HK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

Application no.: 89901513.5 Patent no.: EP0398911 GB

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** 3GPP

Project:

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title: PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: SG

EP0269643 Application no.: Patent no.: 9790338-9 Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: DE

Application no.: 89901513.5 P3855136.5 Patent no.:

Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: HU Application no.: P9700908 Patent no.: 218.636

Countries applicable: HU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: HK Application no.: EP0226613 Patent no.: 192/1997

Countries applicable: ΗK

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: HK Application no.: EP0352786 Patent no.: 349/1997 Countries applicable: ΗK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: AT Application no.: A9006/92 Patent no.: 407812

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

LU Application no.: 89901513.5 EP0398911 Patent no.: LU

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: FPO Application no.: 99968544.9 Patent no.: EP1145466 EPO

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: NI Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable: NL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 99964050.1 EP1135867 Patent no.: Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: CH Application no.: 89901513.5 Patent no.: EP0398911 Countries applicable: CH

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: SG

Application no.: EP0226613 Patent no.: 9790286-0

Countries applicable: SG

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

INTERCHANGE

Country of registration: IN

Application no.: IN/PCT/2002,00901

Countries applicable: IN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: HU Application no.: P9302299 Patent no.: 216677 Countries applicable: HU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: SF 89113864.6 Application no.: Patent no.: EP0352786

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DE Application no.: P4290392.0 Patent no.: P4290392

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 891276 Patent no.: 100078 Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: DE

Application no.: P4244920.0

DE

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: NO Application no.: 892094 Patent no.: 179310 Countries applicable: NO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: SG Application no.: EP0310876 Patent no.: 9790287-8

Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE REDUCTION FOR A RADIO SYSTEM

Country of registration: US Application no.: 893116 4696027 Patent no.: Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: US Application no.: 894387 Patent no.: 4654867 US

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: EP0352786 Patent no.: 349/1997 Countries applicable: HK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: Application no.: 89-701035 Patent no.: 112435 Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: SG Application no.: EP0352786 Patent no.: 9790285-2 SG

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: KR Application no.: 89-701765 Patent no.: 62183 Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: IT

Application no.: 89113864.6 EP0352786 Patent no.:

Countries applicable: IT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: PL Application no.: P-306002 Patent no.: 174713 Countries applicable: PL

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

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

Country of registration: SE

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: SE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title:

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA. ΑT

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643 Countries applicable: AT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: 3GPP

Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: ΒE

RF

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** 3GPP Project:

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: RF

Application no.: 85903622.0 EP00188554 Patent no.:

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** 3GPP Project:

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

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

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643

GB

Countries applicable: GB Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: SE Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: GR

Application no.: 88115574.1 Patent no.: EP0310876 GR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title: PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: NI

87902067.5 Application no.: Patent no.: EP0269643 Countries applicable: NI

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: NL

Application no.: 87110260.4 Patent no.: FP0255628

Countries applicable: NL Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

СН Country of registration: Application no.: 87902067.5 EP0269643

Patent no.: CH

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: ΑT

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: RF 88115574.1 Application no.: EP0310876

Patent no.:

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: NL

Application no.: 89113864.6 Patent no.: EP0352786 NI

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: 3GPP

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

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

Country of registration:

Application no.: 87902067.5 EP0269643 Patent no.:

Countries applicable: IT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: DF Application no.: 86903767.1 Patent no.: P03689035.9

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: NL

Application no.: 85903622 0 EP00188554 Patent no.:

Countries applicable: NL

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: S

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: SE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: C

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: CH

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: FI
Application no.: 86 1015
Patent no.: 79768
Countries applicable: FI

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: NO
Application no.: 860947
Patent no.: 169810
Countries applicable: NO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **Project:** 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: KR
Application no.: 86-700145
Patent no.: 59947
Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: KR
Application no.: 87-700178
Patent no.: 81696
Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: IMPROVED NOISE SUPPRESSION SYSTEM

GB

Country of registration:

Application no.: 86903767.1 Patent no.: EP0226613

Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration:

Application no.: 87110260.4 EP0255628 Patent no.: Countries applicable: CH

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: FΙ Application no.: 870642 Patent no.: 92118 Countries applicable: FΙ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: FR 87110260.4 Application no.: Patent no.: EP0255628

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: GB Application no.: 87110260.4 EP0255628 Patent no.: Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: DE 87110260.4 Application no.: Patent no.: P3752127.6

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration:

Application no.: 87110260.4 Patent no.: EP0255628

Countries applicable: IT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration:

Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable: IT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: FR

Application no.: 86903767.1 Patent no.: EP0226613 Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: SF Application no.: SE9302618-5 Patent no.: 516082

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: ES Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: ES

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: SE

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: СН

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: CH

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

AT Application no.: 89113864.6 EP0352786 Patent no.: AT

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FPO Application no.: 89113864.6 Patent no.: EP0352786 EPO

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: DF 88115574.1 Application no.: Patent no.: P3882869.3

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: FR Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GR Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: GR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GB

Application no.: 89113864.6 Patent no.: EP0352786 GB

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration:

Application no.: RM92A000119 Patent no.: 1258355 Countries applicable: IT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title:

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: DF

Application no.: 89113864.6 Patent no.: P68912672.7 DF

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title: BR

Country of registration: PI9916802-2 Application no.:

Countries applicable:

Notes:

BR Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GR Application no.: 89113864.6 Patent no.: 3030676

Countries applicable: GR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: BR

Application no.: PI9915856-6 Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

COMMUNICATION SYSTEM

Country of registration: SE

Application no.: SE9403860-1 SF

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 89101118.1 EP0332818 Patent no.: Countries applicable: AT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: ΙU

Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: IU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: NI 88115574.1 Application no.: Patent no.: EP0310876

Countries applicable: NL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: ES Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: ES

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: SE

88115574.1 Application no.: Patent no.: EP0310876

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876 CH

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: Application no.: 892678 108099 Patent no.: Countries applicable: FΙ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: NL Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: NI

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITHNATIONWIDE ROAMING CAPABILITY Title:

Country of registration: CN Application no.: 89100461.0 Patent no.: 11559 Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: IT

Application no.: 89101118.1 Patent no.: EP0332818 IT

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: BE Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: **EPO** Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 89101118.1 EP0332818 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GB Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: DF Application no.: 89101118.1 Patent no.: P68927575.7 DF

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

Country of registration: GB Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable: GB Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: IN Application no.: 89/DEL/92 Patent no.: 185240 Countries applicable: IN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: GB Application no.: 9610428.6 Patent no.: 2313261

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: Application no.: 93-702329 Patent no.: 127995 Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: MX Application no.: 9401801 Patent no.: 185865

Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS Country of registration: MXApplication no.: 9402259 Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 94190121.1 Patent no.: 94190121.1 CN

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project:

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

COMMUNICATION SYSTEM

Country of registration: FΙ Application no.: 945336 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

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

COMMUNICATION SYSTEM

Country of registration:

EPO Application no.: 94913263.3 EP0643889 Patent no.: Countries applicable: **EPO**

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

COMMUNICATION SYSTEM

Country of registration: FR

Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable: FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

3GPP Project:

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

COMMUNICATION SYSTEM

GB

Country of registration:

Application no.: 94913263.3 EP0643889 Patent no.: Countries applicable: GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** 3GPP Project:

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

COMMUNICATION SYSTEM

Country of registration: DF

Application no.: 94913263.3 Patent no.: 69430720.3 Countries applicable: DF

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: IT

Application no.: 94913263.3 EP0643889 Patent no.: Countries applicable: IT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: 3GPP Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: JΡ 9-518820 Application no.: Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

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

SYSTEM

Country of registration: JΡ Application no.: 9-532578 Countries applicable: JΡ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

Country of registration: Application no.: 90115487.2 EP0415163 Patent no.: Countries applicable: FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: Application no.: 9602783-4 Patent no.: 9602783-4 SG

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: RU Application no.: 93054764.00 Patent no.: 2145466 Countries applicable: RU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: AT Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: BE Application no.:

96110155.7 Patent no.: EP0746172

Countries applicable: BE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GB Application no.: 96110155.7 Patent no.: EP0746172 GB

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: DF 96110155.7 Application no.: Patent no.: 68929365.8

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GR Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: GR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: NL

Application no.: 96110155.7 Patent no.: EP0746172 NI

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: ES

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: SF Application no.: 96110155.7

Patent no.: EP0746172 SF

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: CH 96110155.7 Application no.: Patent no.: EP0746172

Countries applicable: СН

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: FR Application no.: 9612357

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: SG

Application no.: 9602270-2 Patent no.: 9602270-2 Countries applicable: SG

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: MXApplication no.: 9200735 Patent no.: 179935 Countries applicable: MX

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: Application no.: 91102175.6 EP0444485 Patent no.: CH

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: JP Application no.: 9-141040 Countries applicable: JΡ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: ΑT Application no.: 91905041.9

E191.987 Patent no.: Countries applicable: ΑT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: BE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: DK

Application no.: 91905041.9 Patent no.: EP0450064 DK

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

3GPP Project:

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration:

Application no.: 91905041.9 EP0450064 Patent no.: Countries applicable: FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: GB Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: DF Application no.: 91905041.9 Patent no.: 69033510.5

Countries applicable: DF

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: IT

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: IT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: LU

Application no.: 91905041.9 Patent no.: EP0450064 LU

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064 NI

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: ES

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: FΙ Application no.: 933673

Countries applicable: FΙ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP

Project:

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: CN

Application no.: 92101024.9 Patent no.: 92101024.9 CN

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

SYSTEM Country of registration: BR Application no.: 9702114

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: UA Application no.: 93004000 40009 Patent no.: Countries applicable: UA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

IT Application no.: 92907804.6 EP0529051 Patent no.: Countries applicable: IT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: DF

Application no.: 92907804.6 Patent no.: 69230710.9 Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

Application no.: 92907804.6 EP0529051 Patent no.: Countries applicable: GB

GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** 3GPP Project:

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: SF

91905041.9 Application no.: EP0450064 Patent no.:

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** 3GPP

Project: Title:

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

KR Application no.: 92-702841 Patent no.: 99714 Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: Application no.:

CH 91905041.9 EP0450064 CH

Patent no.: Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ZΑ Application no.: 92-0950 Patent no.: 92/0950

Countries applicable: **7**A Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: BR Application no.: 9205605-9 9205605-9 Patent no.: Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: FR Application no.: 9202058 Patent no.: FR9202058 FR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: TR Application no.: 92-0178 Patent no.: 25708 Countries applicable: TR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GR Application no.: 920100062 Patent no.: 1001801 Countries applicable: GR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GB Application no.: 9315243.7 Patent no.: 2269300 Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:

Application no.: 92907804.6 Patent no.: EP0529051 Countries applicable: FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

Country of registration: CH Application no.: 90115487.2 Patent no.: EP0415163 Countries applicable: СН

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: CN

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

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: Title:

Country of registration:

Application no.:

Countries applicable:

Notes:

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

CN 98802467.5

CN Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

Country of registration: CN Application no.: 98807782.5 CN

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: CN

Application no.: Countries applicable: CN

Notes:

98813292.3

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

Country of registration: Application no.: 98901181.2 **EPO**

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

3GPP Project:

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: FR Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: Application no.: 98966754.8 Patent no.: EP1053613

EPO Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: DK 91102175.6 Application no.: Patent no.: EP0444485 DK

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

Country of registration: **EPO** Application no.: 98967150.8 EP1228590 Patent no.: Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: BE Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: BE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: Application no.: 9904633-4 BR

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: AT Application no.: 91102175.6 Patent no.: E159.138

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

Country of registration: BR 9909481-9 Application no.:

Countries applicable: BR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

Country of registration: Application no.: 9810855-7 Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

3GPP Project:

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

Country of registration: DE Application no.: 90115487.2 Patent no.: P69020070.6

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS Title:

Country of registration: **EPO** Application no.: 99956911.4 Countries applicable: EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA** 3GPP Project:

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

Country of registration:

Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: **EPO** 99935337.8 Application no.: EP1092273 Patent no.: Countries applicable: EPO

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: IT

Application no.: 85903622.0 EP00188554 Patent no.:

Countries applicable: IT Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project:

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

CDMA COMMUNICATION SYSTEMS

Country of registration: **EPO** Application no.: 99930342.3 Patent no.: EP1104600 EPO Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

Country of registration: MX Application no.: 9100231 Patent no.: 174912

Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

Country of registration: **EPO** Application no.: 99914262.3 Patent no.: EP1070394 Countries applicable: EPΩ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION

SYSTEM

Country of registration: BR Application no.: 9910263-3 Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION Title:

SYSTEM Country of registration: **EPO** Application no.: 99913836.5 Patent no.: EP1080544 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

Country of registration: IT

Application no.: 90115487.2 Patent no.: EP0415163 IT

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM CN

Country of registration: Application no.:

Countries applicable:

Notes:

99808117.5 CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

Company name: MOTOROLA Project: 3GPP

Title:

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Country of registration: NI

Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable: NI

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.: 9911629-4

BR

Countries applicable: BR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: GB

Application no.: 91102175.6 Patent no.: EP0444485 GB

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A Title: PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: FR

87902067.5 Application no.: Patent no.: EP0269643 Countries applicable: FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

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

SYSTEM

Country of registration: CN 97190206.2 Application no.:

Countries applicable:

CN Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: CN Application no.: 90107394.6 Patent no.: 27021

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: BR Application no.: 9703357 Countries applicable: BR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: HK

97102167.7 Application no.: Patent no.: HK1000621

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: ΗK

Application no.: 97102296.1 Patent no.: HK1000758

Countries applicable: HK

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration:

Application no.: 97105365.7 EP0807989 Patent no.: FΙ

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: FR Application no.:

97105365.7 Patent no.: EP0807989 FR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: GB 97105365.7 Application no.: Patent no.: EP0807989

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

VERFAHREN UND VORRICHTUNG ZUR GEWICHTUNG EINES UEBERTRAGUNGSWEGES Title:

Country of registration: DE Application no.: 97105365.7 Patent no.: 69705356.3

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration:

Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable: SF

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: Application no.: 97108171 Patent no.: 2141168 Countries applicable: RU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: CN Application no.: 97111190.1

Countries applicable: CN Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA 3GPP

Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: RU Application no.: 97113483 2169992 Patent no.:

Countries applicable: RU Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: BR Application no.: 9814785-4

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

> SYSTEM **EPO**

Country of registration: Application no.: 97903749.6

Countries applicable: **EPO**

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration:

Application no.: 98104250.0 Patent no.: HK1005112 HK

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title: DE

Country of registration: Application no.:

91102175.6 P69127839.3 Patent no.:

Countries applicable:

DE Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: HK Application no.: 98102904.4 Patent no.: HK1003856

Countries applicable: HK

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: GR 91102175.6 Application no.: Patent no.: EP0444485 GR

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

Country of registration: BR Application no.: 9807369-9

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: GB Application no.: 9713727.7 Patent no.: 2313266 GB

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

Country of registration: AR Application no.: 98-01-03767

Countries applicable: AR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: FΙ Application no.: 971840 Patent no.: 101671 FΙ

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: LU Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: LU

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

Company name: MOTOROLA 3GPP Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: FΙ Application no.: 972852

Countries applicable: FI Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: NL Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: NL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: KR Application no.: 97-19503 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

> that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: ES

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: Application no.:

SE 9701659-6

Countries applicable:

SE Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION IT

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 IT

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

3GPP Project:

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

CDMA COMMUNICATION SYSTEMS

Country of registration:

2000-565617 Application no.: JΡ

JP

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

COMMUNICATION SYSTEM

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

Country of registration: JP Application no.: 2000-505701

Countries applicable: .IP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL JΡ

Country of registration:

Application no.: 2000-529091 Countries applicable: JP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** 3GPP

Project:

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

Country of registration:

Application no.: 2000-542864

Countries applicable: JΡ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

SYSTEM JP

Country of registration:

Application no.: 2000-548965

Countries applicable:

JΡ Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

3GPP Project:

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CA Application no.: 2,379,122

Countries applicable: CA Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS JP

Country of registration:

Application no.: 2000-563080

Countries applicable: JP

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: DE Application no.: 19681070.1

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: .IP Application no.:

2000-594212

Countries applicable:

JΡ Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

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

SYSTEM

Country of registration: JΡ

Application no.: 2001-510175

Countries applicable: Notes:

JP

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

INTERCHANGE

Country of registration: JP

Application no.: 2001-552658

Countries applicable: JΡ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

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

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 1199/DEL/1997

IN

Countries applicable:

IN Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: JP

Application no.: 2000-557556

Countries applicable: .IP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

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

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPF

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

DUAL MODE RADIO RECEIVER WITH SCANNING CAPABILITY Title:

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

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

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

Country of registration: Ш 130615 Application no.: Countries applicable: IL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

Country of registration: Application no.: 133862 Countries applicable: Ш

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: IL Application no.: 137059 Countries applicable: IL

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

Country of registration: RU Application no.: 2000104849

Countries applicable: Notes:

RU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: Application no.: 2077343-0 Patent no.: 2077343

Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR TELEPHONE SYSTEM Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

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

Country of registration: Application no.: 87902067.5 P3787788.7 Patent no.:

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

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

Countries applicable: ΑU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration:

Application no.: 85903622.0 EP0188554 Patent no.: Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP Title:

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ΑU Application no.: 14565/92 658402 Patent no.:

Countries applicable: AU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: CA Application no.: 2037899-9 2037899 Patent no.: CA

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

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

Countries applicable: ΑU

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

A RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/ DATA SIGNALLING Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: AR Application no.: 327618 Countries applicable: AR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: TH Application no.: 34157 Countries applicable: TH

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

A SPREAD SPECTRUM CHANNEL APPARATUSAND METHOD OF COMMUNICAT ION Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CELLULAR VOICE AND DATA RADIO TELEPHONE Title:

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/ DATA AND EMBEDDED

SIGNALLING

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

SYSTEM Country of registration: CA Application no.: 2220068 2220068 Patent no.:

Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: CA Application no.: 2087433 Patent no.: 2087433 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: CA Application no.: 2100753 Patent no.: 2100753 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 2122/DEL/1996

Countries applicable: IN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2134230 2134230 Patent no.: Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: MXApplication no.: 21980 Patent no.: 167644 Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

INTERCHANGE

Country of registration: ΑU Application no.: 27606/01 Countries applicable: ΑU

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2203917 Patent no.: 2203917 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

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

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: US Application no.: 225337 Patent no.: 4905301 Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

Country of registration: CA Application no.: 2281696 CA

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROI A

Project: 3GPP

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

Country of registration: CA Application no.: 2298647 Countries applicable: CA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2336307

Countries applicable: CA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: **MOTOROLA** Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: NZ Application no.: 241673 Patent no.: 241673 Countries applicable: N7

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: CA Application no.: 2202829 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

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

Country of registration: US
Application no.: 09/057166
Patent no.: 058107

Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration:
Application no.:
Patent no.:
Countries applicable:
US
US
09/204702
6233231
US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

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

Country of registration: US
Application no.: 08/806949
Patent no.: 6104993
Countries applicable: US

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: US
Application no.: 08/855173
Patent no.: 5999826
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: METHOD AND APPARATUS FOR CONTROLLING TRANSMIT DIVERSITY IN A COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 08/904042
Patent no.: 6141542
Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **Project:** 3GPP

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

Country of registration: US
Application no.: 08/904204
Patent no.: 6038263
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

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

SYSTEM

Country of registration: US
Application no.: 08/616542
Patent no.: 5745520
Countries applicable: US

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: US
Application no.: 09/012927
Patent no.: 6246697
Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration:
Application no.:
Patent no.:
Countries applicable:
US
08/556358
5659622
US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION

Country of registration: US
Application no.: 09/074816
Patent no.: 5966384
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **Project:** 3GPP

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: US
Application no.: 09/086149
Patent no.: 6141638
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/107106
Patent no.: 6067324
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notifier that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: Application no.: 09/124946 Patent no.: 6130883

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

CDMA COMMUNICATION SYSTEMS

Country of registration: US Application no.: 09/131628 Patent no.: 5991285 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: IL Application no.: 120574 Countries applicable: Ш

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM Country of registration: US Application no.: 08/971976 5940430 Patent no.:

Countries applicable: US Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

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

INTERCHANGE

Country of registration: **EPO** Application no.: 01901736.7 Patent no.: EP1249138

FPO Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GE Application no.: 002141 Patent no.: 1767 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CN Application no.: 00810157.4

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

3GPP Project:

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

SYSTEM Country of registration: EPO Application no.: 00944789.7 Patent no.: EP1201053

Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS Title:

Country of registration: FPO Application no.: 00951359.9 Patent no.: EP1198904 Countries applicable: FPO

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: 3GPP

Notes:

METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A Title:

COMMUNICATION SYSTEM

Country of registration: FPO Application no.: 00975568.7

Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/657925 Patent no.: 5940445 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

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

INTERCHANGE

Country of registration: CN

Application no.: 01803473.X

Countries applicable: CN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

3GPP Project:

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: Application no.: 09/229478 Patent no.: 6091757

Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

INTERCHANGE

Country of registration: GB Application no.: 0215267.6 Patent no.: 2373146 Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: US Application no.: 040790 Patent no.: 5627830 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: US Application no.: 049248 Patent no.: 5502752 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/031258 Patent no.: 5329547

Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: 3GPP DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: US Application no.: 08/214998 Patent no.: 5359696 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Project: 3GPP

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: US Application no.: 08/295173 Patent no.: 5572193 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

3GPP Project: Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: TH Application no.: Countries applicable:

015520 TH

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

SYSTEM KR

Country of registration:

Application no.: 10-2002-7000181 KR

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS Title:

Country of registration: US 09/186911 Application no.: Patent no.: 6212391 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

Country of registration:

Application no.: 10-2000-7011192

KR

Countries applicable:

KR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION Title:

SYSTEM

Country of registration: KR

Application no.: 10-2000-7012413

Countries applicable:

Notes:

KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: 3GPP

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

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7015028

Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUICATIONS KR

Country of registration:

Application no.: 10-2001-7001230

Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

Country of registration: KR

Application no.: 10-2000-7001036

Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 10-2001-7008819 KR

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

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

Country of registration: KR

Application no.: 10-1999-7007740 Patent no.: 10-333464

Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

3GPP Project:

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

Country of registration: JΡ Application no.: 10-537628 Countries applicable: JΡ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: Application no.: 107227 Patent no.: 5029233

Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

Country of registration: IN

Application no.: 1089/DEL/97 IN

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

CDMA COMMUNICATION SYSTEMS KR

Country of registration: Application no.:

10-2001-7001734

Notes:

Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA**

Project: 3GPP

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

DEDICATED MODE

Country of registration:

US Application no.: 09/599492 Patent no.: 6424637 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

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

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

3GPP Project:

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

SYSTEM

Country of registration: US Application no.: 09/348571 Patent no.: 6175559 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA

Company name: Project: 3GPP

DEVICES FOR TRANSMITTER PATH WEIGHTS THEREFOR Title:

Country of registration: US Application no.: 09/415168 Patent no.: 6192256 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/451074 Patent no.: 6366880

Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

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

INTERCHANGE

Country of registration: US Application no.: 09/479042 Patent no.: 6282182 Countries applicable: US Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: 3GPP

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

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: KR

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

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title:

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

COMMUNICATED IN AN ELECTRONIC MESSAGE

Country of registration: US Application no.: 09/580739 Patent no.: 6291756 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

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

Countries applicable: Ш

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA** Project: 3GPP

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-1997-704788

Patent no.: 286719 KR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

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

SYSTEM KR

Country of registration:

Application no.: 10-1997-708134 Patent no.: 10-288855 Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA 3GPP Project:

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: KR

Application no.: 10-1999-19337 10-310811 Patent no.:

Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: US

Application no.: 09/573526 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: NL Application no.: 85902748.4 Patent no.: EP0179898

Countries applicable: NL

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: BE Application no.: 85902748.4 Patent no.: EP00179898 Countries applicable: BE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA**

3GPP Project:

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration:

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: Project:

MOTOROLA 3GPP

GB

GB

Title: Country of registration: Application no.:

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE **EPO** 85902748.4

Patent no.: Countries applicable: EP0179898 **EPO**

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name:

MOTOROLA Project: 3GPP

Title:

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: Application no.:

FR 85902748.4 EP0179898

Patent no.: Countries applicable:

FR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

Company name:

MOTOROL A

Project: Title:

3GPP TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: GB Application no.:

85902748.4 EP0179898

Patent no.: Countries applicable:

GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name:

MOTOROLA

Project: Title:

3GPP

Country of registration: Application no.:

AT 85902748.4

Patent no.:

EP00179898

Countries applicable:

AT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name:

MOTOROLA 3GPP

EP00179898

LU

Project: Title:

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:

LU Application no.:

85902748.4

Patent no.: Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA** Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:

Application no.: 85902748.4 Patent no.: P3576035.4

Countries applicable: DF Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: Application no.: 85902748.4 EP00179898 Patent no.:

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: CH Application no.: 85902748.4 Patent no.: EP0179898 CH

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: 3GPP

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: FR 85903622.0 Application no.: Patent no.: EP00188554

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: **EPO** Application no.: 85903622.0 EP00188554 Patent no.:

Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: 3GPP

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA**

Project: 3GPP

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

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

Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: 3GPP

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: Application no.: 85902748.4 Patent no.: 506/1990 Countries applicable: HK

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: 3GPP

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS

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

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: Title:

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: 3GPP

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

INDIVIDUAL REMOTE STATIONS A SYSTEM AND A REMOTE STATION

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

Countries applicable: DK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: 3GPP DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

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

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: MOTOROLA Project: 3GPP

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: IT

 Application no.:
 85902748.4

 Patent no.:
 EP00179898

Countries applicable: IT

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CN
Application no.: 85106519
Patent no.: 10981
Countries applicable: CN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: A TWO WAY PERSONAL MESSAGE SYSTEM WITH EXTENDED COVERAGE

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: NOISE SUPPRESSION SYSTEM

Country of registration: JP
Application no.: 61-502908
Patent no.: 2714656
Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: CA
Application no.: 601702
Patent no.: 1297162
Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

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

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Company name: MOTOROLA Project: 3GPP

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: US
Application no.: 750942
Patent no.: 4628529
Countries applicable: US

Countries applicable: U
Notes: B

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

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

Country of registration: AU
Application no.: 84851/98
Patent no.: 732494
Countries applicable: AU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: TW
Application no.: 81101381
Patent no.: NI-62506
Countries applicable: TW

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: 3GPP

Title: TWO WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: US
Application no.: 608334
Patent no.: 4644351
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

Title: PROVISION OF SPEECH CODER GAIN INFORMATION USING MULTIPLE CODING MODES

Country of registration:USApplication no.:755393Patent no.:5657418Countries applicable:US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: 3GPP

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

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration:USApplication no.:669127Patent no.:5204876Countries applicable:US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: 3GPP

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

COMMUNICATION SYSTEM

JΡ Country of registration:

Application no.: 6-520006 Countries applicable: JΡ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: Nortel Networks Ltd.

Project: 3GPP

Title: Interleavers for Turbo Code

Country of registration:

US 6,347,385 Patent no.: US

Countries applicable: **ETSI Deliverable:**

TS 25.212 V5.0.0; TS 125 212 V5.0.0

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It is understood that if the standard is withdrawn, Nortel Networks has no obligation to license, or sustain such licenses, following such withdrawal. Any party that would be interested in such licenses as described above may write to Richard Weiss, Deputy IP Counsel - Licensing, 2221 Lakeside Boulevard, M/S 991/14/B20,

Richardson, Texas 75082, or by fax at (972) 684-3127.

Company name: Nortel Networks Ltd.

Project: 3GPP

Title: Improved Interleavers for Turbo Code

Country of registration: PCT

PTC/IB99/01369 Application no.:

Countries applicable: BR, CA, CN, EPO, JP, MX

ETSI Deliverable:

TS 25.212 V5.0.0; TS 125 212 V5.0.0 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It is understood that if the standard is withdrawn, Nortel Networks has no obligation to license, or sustain such licenses, following such withdrawal. Any party that would be interested in such licenses as described above may write to Richard Weiss, Deputy IP Counsel - Licensing, 2221 Lakeside Boulevard, M/S 991/14/B20,

Richardson, Texas 75082, or by fax at (972) 684-3127.

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

Title: Multicode Direct Sequence Spread Spectrum

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

3GPP/AMR-WB

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

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

Country of registration: CA Application no.: 2213740 Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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 3GPP/AMR-WB Project:

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

Country of registration: MY PI9600300 Application no.: Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

Country of registration: CN Application no.:

Notes:

96193196,5

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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

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

Country of registration: MX Application no.: 975997 Patent no.:

ETSI Deliverable: $\mathsf{TS}\ 26.171\ \mathsf{V5.X.Y;}\ \mathsf{TS}\ 26.173\ \mathsf{V5.X.Y;}\ \mathsf{TS}\ 26.174\ \mathsf{V5.X.Y;}\ \mathsf{TS}\ 26.190\ \mathsf{V5.X.Y;}\ \mathsf{TS}\ 26.191\ \mathsf{V5.X.Y;}\ \mathsf{TS}\ \mathsf{TS}$

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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.

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

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

Country of registration: RŪ Application no.: 97114804

Patent no.:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO** Application no.: 96900816,8

Patent no.:

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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

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

Country of registration: Application no.: 973472

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration:

Notes:

DĚ Application no.: 19604273,9

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

Country of registration: SF Application no.: 9600437-9

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

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

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

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: ΑU Application no.: 62309/96 Patent no.: 714742

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:** 26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: 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: CN 96196226,7 Application no.:

Notes:

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:**

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

Title: Vector adaptative predictive coder for speech and audio

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: BR Application no.: 9608479-0

Patent no.:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration: CA Application no.: 2224688 Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

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

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

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

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Dynamic codebook for efficient speech coding based on algebraic codes

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: TS 26.171 V5.X.Y: TS 26.173 V5.X.Y: TS 26.174 V5.X.Y: TS 26.190 V5.X.Y: TS 26.191 V5.X.Y: TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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 3GPP/AMR-WB Project:

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

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

Title: Vector adaptative predictive coder for speech and audio

Country of registration: JP

Notes:

Notes:

Notes:

Notes:

Notes:

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 92108904,1
Patent no.: 503684
Countries applicable: DE, FR, GB, IT

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration: ES
Application no.: 9650025
Patent no:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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
Application no.:
Patent no.: 1336454

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FI Application no.: 973241 Patent no.: -

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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: Method for decreasing the frame error rate in data transmission in the form of data frames

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Dynamic codebook for efficient speech coding based on algebraic codes

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration: GB Application no.: 9602391,6

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

Notes:

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

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

Country of registration: KR Application no.: 705372 Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Dynamic codebook for efficient speech coding based on algebraic codes

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

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: TS 26.202 V5.X.Y

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

licences under the IPRs on terms and conditions which are in accordance with Clause 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: HK 98101406,9 Application no.:

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:**

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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-WR Project:

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

Country of registration:

Application no.: 198CAL96

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: ΑU Application no.: 47811/96

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech

Country of registration:

Application no.: UD96A000012

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:**

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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 3GPP/AMR-WB Project:

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

Country of registration: EPO Application no.: 96920925.3

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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: JP. Application no.: 523852/96

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: 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: BR

PI9607144.3 Application no.:

Patent no.: **ETSI Deliverable:**

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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

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

Countries applicable: DE, ES, FR, GB, IT, SE

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

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

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration: AR Application no.: 970105360

Patent no.:

Notes:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: AŘ Application no.: 335305

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:** 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: UŠ Application no.: 508801 Patent no.: 5754976

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: RU Application no.: 97116484

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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 3GPP/AMR-WB Project:

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

Country of registration: ES Application no.: P9750009 Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration: Application no.: 98101107

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration:

Notes:

Application no.: MI98A000766 Patent no.: 1299063

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

Country of registration: JP Application no.: 9-502809 Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

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

Methods for generating comfort noise during discontinuous transmission Title:

Country of registration: US Application no.: 08/965303 Patent no.: 5960389

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: MY Application no.: PI9600844

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: 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 3GPP/AMR-WB Project:

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration:

Application no.: PI9705747.9

Patent no.: **ETSI Deliverable:**

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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

Title: Methods for generating comfort noise during discontinuous transmission

Country of registration: Application no.: 97126203.9

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration:

JΡ 10-098937

Application no.: Patent no.:

ETSI Deliverable:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003

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

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

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

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

Methods for generating comfort noise during discontinuous transmission Title:

Country of registration: FPO Application no.: 97309213.3

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

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

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

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

Patent no.:

Notes:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JP Application no.: 9-313957 Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:**

26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: 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 3GPP/AMR-WB Project:

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

Country of registration: **PCT** FI9800237 Application no.: Patent no.:

Countries applicable: AU, CH, ES, KR

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

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

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration: DE

19815597.2 Application no.:

Patent no.:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

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

Country of registration: HK Application no.: 98100818,3 Patent no.: HK1001846

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

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

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

Country of registration: CA Application no.: 2210765 Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FΙ Application no.: 971484 Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:** 26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: TS 26.202 V5.X.Y: TS 45.003

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

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

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

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

Country of registration: CN Application no.: 98106901.0

Patent no.:

Notes:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS **ETSI Deliverable:** 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 759/MAS/98

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003

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

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

Company name: Nokia Corporation

Project: 3GPP/AMR-WB

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

Country of registration: CN Application no.: 96193095

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: AR

Application no.: P960101681

Patent no.:

Notes:

Notes:

P960101681

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y

Notes: 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: GB
Application no.: 9807608.6
Patent no.: 2329803

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y; TS 45.003

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: IN

Application no.: 422CAL96

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: TS 26.202 V5.X.Y

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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 9607026,9

Patent no.: 9607026,8

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

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

Country of registration:

1054/MAS/96 Application no.:

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech JΡ

Country of registration:

Application no.: 527130/96

Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

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

Country of registration: KR Application no.: 97-706298

Patent no.:

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

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

Company name: Nokia Corporation

Project: 3GPP/AMR-WB Algebraic codebook with signal selected pulse amplitude / position combinations for fast coding of speech Title:

Country of registration: ΑIJ

Application no.: 44796/96 Patent no.:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; 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: Depth-first algebraic codebook search for fast coding of speech

Country of registration: MX Application no.: 97/06885

Patent no.:

Notes:

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y: TS 26.193 V5.X.Y: TS 26.194 V5.X.Y: TS 26.201 V5.X.Y: TS 26.202 V5.X.Y The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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

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

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

A Method and Device for adaptive bandwidth pitch Search in Coding Wideband Signals Title:

Country of registration: **PCT**

PCT/CA99/01008 Application no.:

Countries applicable: AT, AU, BE, BR, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, HK, IE, IN, IT, JP, KR, LI, LU, MC, MX,

MY, NL, NO, PT, RU, SE, US, ZA

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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: A Method for Indexing Pulse Positions and Signs in Algebraic Codebooks for Efficient Coding of

Wideband Signals

Country of registration: Application no.: Countries applicable:

CA 2,327,041

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y **ETSI Deliverable:**

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

Perceptual Weighting Device and Method for Efficient Coding of Wideband Signals

Country of registration: PCT PCT/CA99/01010

Countries applicable: AT, AU, BE, BR, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, HK, IE, IN, IT, JP, KR, LI, LU, MC, MX,

MY, NL, NO, NZ, PT, RU, SE, US, ZA

TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS FTSI Deliverable:

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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

Gain-smoothing Amplifier Device and Method in Codecs for Wideband Speech and Audio Signals

PCT PCT/CA00/01381

ETSI Deliverable: TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; TS 26.202 V5.X.Y

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/ÄMR-WB Project:

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

Country of registration: PCT

Application no.: PCT/CA99/00990

AT, BE, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, JP, KR, LI, LU, MC, NL, PT, SE, US **ETSI Deliverable:** TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS

26.192 V5.X.Y; TS 26.193 V5.X.Y; TS 26.194 V5.X.Y; TS 26.201 V5.X.Y; 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.

ETSI

Notes:

Title:

Application no.:

Project: Title:

Country of registration: Application no.: Countries applicable:

Notes:

Title:

Countries applicable:

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

Title: Periodicity Enhancement in Decoding Wideband Signals

Country of registration: PCT

Application no.: PCT/CA99/01009

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

 ETSI Deliverable:
 TS 26.171 V5.X.Y; TS 26.173 V5.X.Y; TS 26.174 V5.X.Y; TS 26.190 V5.X.Y; TS 26.191 V5.X.Y; TS 26.191 V5.X.Y; 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:
Application no.:
Countries applicable:
CN
99127048.7
CN
CN
CN
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 SGPP/EMS

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

Country of registration: TW 0078026
Countries applicable: TW TS 23.040
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: SG
Application no.: PCT/SG01/00088
Countries applicable: PCT
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 SGPP/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 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

ETSI Deliverable:

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

licences under the IPRs on terms and conditions which are in accordance 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 Application no.:

Patent no.: 97/47158

Countries applicable: CH, CN, DE, DK, FI, FR, GB, GR, IT, JP, KR, LI, NL, SE

ETSI Deliverable:

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

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

Company name: Ascom Management AG

Project: BRAN

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

Country of registration: EPO 1997/103854 Patent no.: EPO 1937/103854

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

ETSI Deliverable:

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

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

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

Company name: Ascom Management AG

Project: BRAN

Title: Dynamic connection mapping in wireless ATM systems US

Application no.: Patent no.: 5787077
Countries applicable: US

Countries applicable: US
ETSI Deliverable: -

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

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

Company name: Ascom Management AG

Project: BRAN

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

Country of registration: US
Application no.:
Patent no.:
5907542

Countries applicable: US
ETSI Deliverable: -

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

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

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

Company name: Ascom Management AG

Project: BRAN

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

Country of registration: PCT
Application no.: Patent no.: 97/39595
Countries applicable: CN, JP

ETSI Deliverable:

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

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

Cable Modem

Company name: 3COM Corporation

Project: Cable Modem

Title: Method and System For Providing Quality of Service in a Data Cable System Using Configuration

Protocol Messaging

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

Company name: 3COM Corporation Project: Cable Modem

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

Country of registration: US
Application no.: Pending
Patent no.: -

Countries applicable: US **ETSI Deliverable:** ES 201 488 V1.1.1

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

licences under the IPRs on terms and conditions which are in accordance 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: 3COM Corporation Cable Modem

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

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

ETSI Deliverable: ES 201 488 V1.1.1

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

licences under the IPRs on terms and conditions which are in accordance 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: 3COM Corporation Cable Modem

Title: Method and System For Secure Cable Modem Initialization

Country of registration: US
Application no.: 09/018,756
Patent no.: US 6,070,246
Countries applicable: US
ETSI Deliverable: ES 201 488 V1.1.1

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

licences under the IPRs on terms and conditions which are in accordance 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: 3COM Corporation Cable Modem

Title: Method for Using Host Configuration Messages to Maintain a Network Address Table in a Data-Over-

Cable System

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

Company name: 3COM Corporation Project: Cable Modem

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

Country of registration: US
Application no.: Pending
Patent no.: -

Countries applicable: US ETSI Deliverable: ES 201

ETSI Deliverable: ES 201 488 V1.1.1.

Notes: ES 201 488 V1.1.1.

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

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

Company name: 3COM Corporation Project: Cable Modem

Title: Cable Modem With Dribble Grant Access System and Method

Country of registration:

Application no.:
Pending
Patent no.:

Countries applicable:

US

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.

Company name: 3COM Corporation
Project: 3COM Corporation
Cable Modem

Title: Method For Changing Type of Service in a Data Over Cable System

Country of registration:

Application no.:

Patent no.:

Countries applicable:

US

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.

Company name: Lucent Technologies Inc.

Project: Cable Modem

Title: Country of registration: US
Application no.: Patent no.: -

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.

Company name: Motorola Project: Cable Modem

Title: Country of registration: US
Application no.: -

Patent no.: 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 for transmitting an additional signal such as a surround signal

Country of registration:

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

 Patent no.:
 EP-0 599 825

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

ETSI Deliverable: ETS 300 401

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: DE, FR, GB, 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:

Application no.: (div of EP-0 402 973) **Patent no.:** EP-0 599 824

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

ETSI Deliverable: ETS 300 401

Company name: France Telecom

Project: DAE

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NL

Application no.: NL 89 014023 **Patent no.:** EP-0 402 973

Countries applicable: AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY,

 $\mathsf{NL},\,\mathsf{PL},\,\mathsf{RU},\,\mathsf{SE},\,\mathsf{SG},\,\mathsf{SI},\,\mathsf{SK},\,\mathsf{TW},\,\mathsf{UA},\,\mathsf{US}$

ETSI Deliverable: ETS 300 401

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

ETSI Deliverable: ETS 300 401

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: DE, FR, GB, 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.: PCT/EP-88/00417

Countries applicable: DE, FR, GB, IT, JP, NL, SE, 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: FF

 Application no.:
 FR 88 15216 (=EP0369917)

 Patent no.:
 FR-2 639 495

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

ETSI Deliverable: ETS 300 401

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

Company name: Grundig E.M.V.

Project: DAB

Title: Gleichwellennetze und Empfänger zum Durchführen der empfangsseitigen Massnahmen

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

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 Application no.: 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: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel

Country of registration: PCT Application no.: PCT/EP95/02853

Application no.: PCT/EP95/02853
Patent no.: WO 96/03841

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

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.: PCT/EP95/02781
WO 96/02988

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

Company name: Grundig E.M.V.

Project: DAB

Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: EPO
Application no.: 93108160.8
Patent no.: EP 0 580 976
Countries applicable: AT, BE, DE, FR, GB, IT

ETSI Deliverable: ETS 300 401

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

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

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: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze

Country of registration: DE

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

Company name: Grundig E.M.V.

Project: DAB

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

Country of registration: DE

DE 41 02 408 Application no.:

Countries applicable: DF

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

Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation Title:

Country of registration: DF

Application no.: DE 44 05 752

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

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

Grundig E.M.V. Company name:

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

IRT Company name: Project: DAR

Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NL

Application no.: NL 89 014023 Patent no.: EP-0 402 973

Countries applicable: AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FR, GB, GR, HK, HU, IN, IT, JP, KR, LU, MX, MY,

 $\mathsf{NL},\,\mathsf{PL},\,\mathsf{RU},\,\mathsf{SE},\,\mathsf{SG},\,\mathsf{SI},\,\mathsf{SK},\,\mathsf{TW},\,\mathsf{UA},\,\mathsf{US}$

ETSI Deliverable: ETS 300 401

IRT Company name: DAB Project:

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 824

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

ETSI Deliverable: ETS 300 401

Company name: IRT Project: DAB

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

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 825

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

ETSI Deliverable: ETS 300 401

Company name: **Philips** DAB Project:

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 89 014023 Application no.: 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

Philips Company name: Project: DAB

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: ÈP-0 599 824

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

ETSI Deliverable: ETS 300 401

Company name: **Philips** Project: DAB

Title: Digital transmission system using subband coding

Country of registration: FPO Application no.: EP 89201408 Patent no.: EP 0 400 755

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 Countries applicable:

ETSI Deliverable: ETS 300 401

Company name: **Philips** Project: DAB

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

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 825

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

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:

Application no.: FR 88 15216 (=EP0369917) Patent no.: FR-2 639 495 Countries applicable: DE, ES, FR, GB, IT, NL, US

ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project: DAB

Method and installation for digital communication, particularly between an towards moving vehicles Title: Country of registration: PCT

Application no.: PCT/EP-87/00346 Patent no.: WO-88/00417

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

ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project:

Title: Intensity stereo encoding and decoding in a transmission system

Country of registration:

Application no.: (div of EP-0 402 973) Patent no.: EP-0 599 824

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

ETSI Deliverable: ETS 300 401 Company name: Télédiffusion de France

Project: DAB

Title: Digital transmission system using subband coding

Country of registration: EPO EP 89201408 Application no.: Patent no.: EP 0 400 755

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, Countries applicable:

SG, SK, TW, UA, US

ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project: DAB

Digital transmission system, transmitter and receiver for use in the transmission system, and record Title:

carrier obtained by means of the transmitter in the form of a recording device

Country of registration: NL

Application no.: NL 89 014023 EP-0 402 973 Patent no.:

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

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

Country of registration:

Application no.: (div of EP-0 402 973) ÈP-0 599 825 Patent no.:

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

ETSI Deliverable: ETS 300 401

Company name: Télédiffusion de France

Project:

Title: Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de

réception correspondant

Country of registration: FR

FR 90 03927 Application no.: Patent no.: FR-2 660 131 Countries applicable: DE, FR, GB, 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: DE. FR. GB. 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 synchronisation analogique

Country of registration: **EPO**

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

Patent no.: EP 0 600 193 Countries applicable: ES, FR, GB, IT, NL **ETSI Deliverable:** ETS 300 401

Company name: Telefunken Sendertechnik GmbH

Project: DAB

Verfahren zur digitalen Datenübertragung im Nullsymbol des COFDM-Modulationsverfahrens Title:

Country of registration: DF

Application no.: P 41 38 770 Patent no.: EP 0614 584

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

ETSI Deliverable: ETS 300 401 Company name: Project: Title: Telefunken Sendertechnik GmbH

DAB

Verfahren und Anordnung zur Messung der Trägerfrequenzablage in einem Mehrkanalübertragungssystem

Country of registration: Application no.: Patent no.: Countries applicable: ETSI Deliverable:

Menrkanalubertragungssystem.
DE
P 41 28 713
EP 0529 421
AT, BE, CH, DE, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE, US
ETS 300 401

DCS 1800

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

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

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

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: Philips
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: 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: DCS 1800

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: DCS 1800

Title: Information transmission system

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

Countries applicable: GB

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: 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: 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: Project: Philips

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

Country of registration: EPO

 Application no.:
 87200545.9

 Patent no.:
 EP 0 240 073 B1

Company name: Philips Project: Project: Philips

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: 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: DCS 1800

Title: Improvements in or relating to Digital Filters

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

Company name: Philips
Project: DCS 1800

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: DCS 1800

Title: Multiple-access communications system

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

Company name: Philips
Project: DCS 1800

Country of registration: EPO
Application no.: 87200545.9

Patent no.: EP 0 240 073 B1

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: Multi-pulse excitation linear-predictive speech coder

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

Company name: Philips Project: DCS 1800

Title: Multi-pulse excitation linear-predictive speech coder

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

Company name: Philips Project: DCS 1800

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

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

Philips Company name: Project: DCS 1800

Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen Title:

Funkstation eines Funkübertragungs

Country of registration: **EPO** Application no.: 83201767.7 EP 0 111 972 B1 Patent no.:

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

Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

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

DECT

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:USApplication no.:661373Countries applicable:USETSI 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: 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: 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: CA
Application no.: 2112511
Countries applicable: CA

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: Wireless Tie Line

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

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

ETSI Deliverable: ETS 300 822

Company name: Alcatel Project: DECT

Title: 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

Title: Wireless Tie Line

Country of registration:DEApplication no.:4201561.8Countries applicable:DEETSI Deliverable:ETS 300 822

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: EPO 95940248.8 Patent no.: 795238 DE, FR, GB, IT, SE 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, CH, DE, ES, FR, GB, IT, LI, NL, SE

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: 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

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: DECT Frame Synchronization

Country of registration: JP
Application no.: 170176/96
Countries applicable: JP
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration:ZAApplication no.:959877Countries applicable:ZAETSI Deliverable:ETR 310

Title: Burst Alignment Procedure

Country of registration: FI
Application no.: 963008
Countries applicable: FI
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: CN
Application no.: 95191406.5
Countries applicable: CN
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: BR
Application no.: 9506646-2
Countries applicable: BR
ETSI Deliverable: ETR 310

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: PL 315625
Countries applicable: PL 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: EPO
Application no.: 93403177.4
Patent no.: 0605312

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

ETSI Deliverable: ETS 300 175-3

Notes: in general clause 4.22, figure 6, subclause 6.2.1.3 more particularly

Company name: Alcatel Project: DECT

Title: 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

Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving

method and device.

Country of registration:FRApplication no.:92-15934Patent no.:2700086ETSI Deliverable:ETS 300 175-3

Company name: Alcatel Project: DECT

Title: Burst Alignment Procedure

Country of registration: IN 201195
Countries applicable: IN ETSI Deliverable: ETR 310

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: Burst Alignment Procedure

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

Company name:
Project:
DECT
Ukrainian SSR
Country of registration:
Application no.:
Countries applicable:
UA
ETSI Deliverable:
UA
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: AU
Application no.: 41762
Countries applicable: AU
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: Burst Alignment Procedure

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

Title: Burst Alignment Procedure

Country of registration: RU 86116584
Countries applicable: RU ETSI Deliverable: ETR 310

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: 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: 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: Ascom Management AG

Project: DECT

Title: Communication System, Method of Communication and Base Station

Country of registration: EPO 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: Canon Project: DECT Title: MMAP

Country of registration:

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

Company name: Nokia Corporation

Project: DECT

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

DECT EPO

Country of registration: EPO 96304138,9

Patent no.:

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

ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: PCT

Application no.: PCT/FI95/00674
ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

DECT

Country of registration:RUApplication no.:97119934Patent no.:2153238ETSI Deliverable:GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

Country of registration: US
Application no.: 08/659590
Patent no.: 6081534
ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

Country of registration: PCT

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

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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration:ATApplication no.:A1990/95Patent no.:408171ETSI Deliverable:GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: CH
Application no.: 3510/95
Patent no.: 691647
ETSI Deliverable: GSM 01.48

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

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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: CN

Notes:

Application no.: 95196747,9
Patent no.: ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FI
Application no.: 945844
Patent no.: 104870
ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

DECT

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

ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: US

 Application no.:
 08/849504

 Patent no.:
 6122498

 ETSI Deliverable:
 GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

Country of registration: DECT

Application no.: 96195981,9

Patent no.:

ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

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

DECT

Country of registration: FI
Application no.: 952813
Patent no.: 98176
ETSI Deliverable: GSM 01.48

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

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

Company name: Nokia Corporation

Project:

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

DECT

Country of registration: ΑU Application no.: 58218/96 716363 Patent no.: **ETSI Deliverable:** GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration: FR 9514476 Application no.: Patent no.: 9514476 **ETSI Deliverable:** GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: **DECT**

Title: DATA TRANSMISSION METHOD

Country of registration: GB Application no.: 9525018,9 Patent no.: 2296161 **ETSI Deliverable:** GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

DATA TRANSMISSION METHOD Title:

Country of registration:

Application no.: MI95A002579 Patent no.: 1277976 GSM 01.48 ETSI Deliverable:

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

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

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

Nokia Corporation Company name:

Project: **DECT** DATA TRANSMISSION METHOD Title:

Country of registration: JΡ Application no.: 08-518306 Patent no.:

ETSI Deliverable: GSM 01.48

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

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

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

Company name: Nokia Corporation

Project: DECT

Title:

DATA TRANSMISSION METHOD

Country of registration: SE Application no.: 9504420-2 Patent no.: **ETSI Deliverable:** GSM 01.48

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

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

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

Nokia Corporation Company name:

Project: DECT

Title: DATA TRANSMISSION METHOD

Country of registration: DE

Application no.: 19545767,6 Patent no.:

ETSI Deliverable:

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

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

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: -

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: Application no.: PCT/SE98/01087
Countries applicable: FE FPO LT LV NO

Countries applicable: EE, EPO, LT, LV, NO Notes: EE, EPO, LT, LV, NO

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name: Telia AB
Project: DECT
Country of registration: Application no: 9500365-3

Application no.: 9500365-3
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
Country of registration:

Country of registration: 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

Title: A Mobile Radio System

Country of registration: EPO
Application no.: 94902147.1

Company name: Telia AB
Project: DECT
Country of registration: 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
Country of registration:

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 DECT

Project:

Country of registration: Application no.: 726690 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:

Project:

Telia AB DECT 9600458

NO

Country of registration: 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.

Company name:

Project:

Country of registration: Patent no.:

Countries applicable:

Notes:

Telia AB DECT 505209

SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name: Project:

Country of registration:

Application no.: Countries applicable:

Notes:

Telia AB **DECT**

9624228 PCT This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

Standards.

Company name:

Project:

Telia AB DECT

Country of registration: Application no.:

Countries applicable:

Notes:

9400119-5 SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

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**

722229 EPO

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

9504962

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:

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: Application no.: 9500121-0

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: A Mobile Radio System

Country of registration: PCT

Application no.: PCT/SE95/00610

Company name: Telia AB
Project: DECT
Country of registration: Application no.: 776551

Application no.: 77655

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

Title: Arrangement for Improving Functions in a Radiocommunications System

Country of registration: EPO 95850041.5

Company name: Telia AB
Project: DECT
Country of registration: Application no.: 9532680

Application no.: 953268 **Countries applicable:** AU

Notes:

belief of Standar

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: PC

Application no.: PCT/SE95/00846

Company name: Telia AB Project: DECT

Title: A Radio-based Communication System

Country of registration: PC

Application no.: PCT/SE95/00259

Company name: Telia AB
Project: DECT
Country of registration: Application no.: 680676
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
Country of registration:

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: Arrangement in a DECT System Country of registration: EPO

Country of registration: EPO 95850001.9

Company name: Telia AB

Company name: Telia AB
Project: DECT
Country of registration: Patent no.: 5761194

Countries applicable: 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: DECT

Title: Device at Telecommunication Systems

Country of registration: PCT

Application no.: PCT/SE95/00845

DECT/GSM

Company name: Project:

Telia AB DECT/GSM

Country of registration: Application no.:

9643382 ΑU

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 DECT/GSM

Project: Title:

Arrangement for Handover in a Mobile Telecommunication Network

Country of registration: Application no.: Countries applicable:

SF 9500408-1 SE

Company name:

Telia AB

Project: Country of registration: DECT/GSM

Application no.: Countries applicable: 725552 **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: Country of registration: DECT/GSM

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: Country of registration: DECT/GSM

Application no.:

9500408

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: Country of registration: DECT/GSM

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

Project: Title:

DECT/GSM

Country of registration:

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

Application no.:

Mobile Telecommunications System

Patent no.:

9500407-3 503 848

Countries applicable:

SF

Company name:
Project:
Country of registration:
Application no.: Telia AB DECT/GSM

9500407-3

Countries applicable:
Notes:

SE
This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

DIIS

Company name: Motorola

Project: DIIS

Title: Digital Radio and Digital Radio Communications System

Country of registration: GB

Patent no.: GB2364204A

Countries applicable: GB

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola
Project: DIIS

Title: Digital Radio and Digital Radio Communications System

Country of registration: EPO 01947403.0

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

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: Digital Communications System

Country of registration: GB

Patent no.: GB2358557A

Countries applicable: GB

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: Digital Communications System

Country of registration: EPO

Patent no.: EP0001071.0

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

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: Wireless Communication System and Station for use therein

Country of registration: EPO
Application no.: EPO701335B
Countries applicable: DE, FR, GB, NL, SE

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: Communications Apparatus

Country of registration: GB

Patent no.: GB2259387B

Countries applicable: GB

Notes: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: Motorola Project: DIIS

Title: 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: In accordance with Article 6.1 of the ETSI IPR Policy, Motorola hereby declares that it is prepared to grant

irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such IPRs, to

the extent that the IPRs remain Essential.

Company name: PROD-EL S.p.A

Project: DIIS

Title: Procedimento per la trasmissione efficiente di informazioni

Country of registration:

Application no.: MI2002A000206

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

PROD-EL S.p.A Company name:

Project: DIIS

Procedimento per l'utilizzo efficiente di un canale radio bidirezionale Title:

Country of registration:

Application no.: MI2002A000768

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd. Project: DIIS

Title: Synchronised sleep Country of registration: N7

Application no.: NZ 515373 Countries applicable: ΝZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

DIIS Project:

Title: Synchronisation of power saving

Country of registration: NZ Application no.: NZ 515924 Countries applicable: N₇

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: **Duplex Transmission**

Country of registration: AR

Application no.: PO1010544 Countries applicable: AR

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Unsynchronised sleep

Country of registration: ΝZ

Application no.: NZ 515246 Countries applicable: N7

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Channel announcement

Country of registration: ΝZ Application no.: NZ 515745 Countries applicable: ΝZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Tait Electronics Ltd.

Project: DIIS

Title: Power saving transitions

Country of registration: NZ

Application no.: NZ 515925

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Power saving in frame portions

Country of registration: NZ

Application no.: NZ 515960 **Countries applicable:** NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Collision management

Country of registration: NZ
Application no.: NZ 516117
Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Collision management II

Country of registration: NZ

Application no.: NZ 516729

Countries applicable: NZ
ETSI Deliverable: Wo

Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Power Saving II
Country of registration: NZ
Application no.: NZ 516753

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Collision management III

Country of registration: NZ
Application no.: NZ 516985
Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Company name: Tait Electronics Ltd.

Project: DIIS

Title: Power control

Country of registration: NZ Application no.: NZ 513942

Countries applicable: NZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

Tait Electronics Ltd. Company name:

Project:

Title: **Duplex Transmission**

Country of registration: PCT Application no.: NZ 01/00254

Countries applicable: PCT

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

Company name: Tait Electronics Ltd. Project: DIIS

Title: **Duplex Transmission**

Country of registration: NΖ

Application no.: NZ 508340 Countries applicable: ΝZ

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

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

Tait Electronics Ltd. Company name:

Project: DIIS

Title: **Duplex Transmission**

Country of registration: CL Application no.: 2829-2001 Countries applicable: CL

ETSI Deliverable: Work Item Ref.: DEN/ERM-TG32-032

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

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

DTM

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)

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: SE

Application no.: EP 1024677

Patent no.:

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 and arrangement for dynamic signalling Title:

Country of registration: SF

WO 97/36401 Application no.:

Patent no.:

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

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

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

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: Net Insight Project: DTM

Title: Methods and systems for determining network topology

Country of registration:

Application no.: WO 00/31925

Patent no.:

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.

DTS

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: BR

Application no.: PCT/US96/18764; PI 9611852-0

Countries applicable: BR ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: TW

Application no.: PCT/US96/18764

Patent no.: 92765
Countries applicable: TW
ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: KR

Application no.: PCT/US96/18764

Patent no.: 0277819
Countries applicable: KR
ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: CA

Application no.: PCT/US96/18764
Patent no.: 2,331,611
Countries applicable: CA
ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: AU

Application no.: PCT/US96/18764

Patent no.: 705194
Countries applicable: AU
ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc. Project: DTS
Title: Multi-Channel Audio Encoder

Country of registration: US

Application no.: 09/186,234 (a divisional Application of U.S. Patent No. 5,956,674)

Countries applicable: US
ETSI Deliverable: TS

TS 102 114

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

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

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: IN

Application no.: PCT/US96/18764; 2592/DEL/96

Countries applicable: **ETSI Deliverable:**

IN TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

VΕ

Country of registration:

VΕ Application no.:

PCT/US95/00959 0173-95

Countries applicable:

ETSI Deliverable: TS 102 114

Notes:

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

> Medium PH

PΗ

Country of registration:

Application no.: PCT/US95/00959; 51452

Countries applicable:

ETSI Deliverable: TS 102 114

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

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

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

Digital Theater Systems, Inc. Company name:

Project:

DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium MY

Country of registration:

PCT/US95/00959; PI9502624 Application no.:

Countries applicable: MY TS 102 114

ETSI Deliverable:

Notes:

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage Title:

Medium

Country of registration:

KR PCT/US95/00959; 96-704141 Application no.: KR

Countries applicable:

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration:

PCT/US95/00959; P-950164 Application no.:

Countries applicable: ID

ETSI Deliverable: TS 102 114

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

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

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: IN

Application no.: PCT/US95/00959; 1686/Del/94

Countries applicable: IN

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium HK

Country of registration:

Application no.: PCT/US95/00959; 98114034.2

Countries applicable: ETSI Deliverable:

HK TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: D

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: EPO

Application no.: PCT/US95/00959; 95908115.9

Countries applicable: DE, FR, GB, IT TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc. Project: DTS

Title: Multi-Channel Audio Decoder

Country of registration: U

Patent no.:

US

Countries applicable: US

ETSI Deliverable: TS 102 114

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

5,974,380 (a divisional Application U.S. Patent No. 5,956,674)

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: CN

Application no.: PCT/US00/16681; 00809269.9

Countries applicable: CN
ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS
Title: Multi

Multichannel Predictive Subband Audio Coder

Country of registration: EAPO

Application no.: PCT/US96/18764

Patent no.: 001087
Countries applicable: EAPO
ETSI Deliverable: TS 102 114

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

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

Project: DTS

Title: Discrete Multichannel Audio with a Backward Compatible Mix

Country of registration: PCT

Patent no.: PCT/US01/14878 Countries applicable: PCT

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Title: Discrete Multichannel Audio with a Backward Compatible Mix Country of registration: US

Application no.: 09/568,355 Countries applicable: US **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: TW

Application no.: PCT/US00/16681; 90131969

Countries applicable: TW **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility Title:

Country of registration: SG

Application no.: PCT/US00/16681; 200107899-9

Countries applicable: SG

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

DTS Title:

Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration:

Application no.: PCT/US00/16681: PI 20015600

Countries applicable: MY

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: KR

Application no.: PCT/US00/16681; 10-2001-7016475

Countries applicable: KR

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: JΡ

Application no.: PCT/US00/16681 Countries applicable: .IP

TS 102 114 **ETSI Deliverable:**

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

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

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: CA

Application no.: PCT/US96/18764; 2,238,026 (division of Canada Patent No. 2,331,611)

Countries applicable: CA **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility

Country of registration: **EPO**

Application no.: PCT/US00/16681; 00942890.5

Countries applicable: **EPO** TS 102 114 **ETSI Deliverable:**

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

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

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

Company name: Digital Theater Systems, Inc.

DTS Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: CN

Application no.: PCT/US95/00959; 95191502.9

Countries applicable: CN

ETSI Deliverable: TS 102 114

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

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

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

Digital Theater Systems, Inc. Company name:

Project: DTS

Sound Quality of Established Low Bit-Rate Audio Coding Systems without Loss of Decoder Compatibility Title:

Country of registration: US Patent no.: 6,226,616 B1

Countries applicable: US TS 102 114 **ETSI Deliverable:**

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Title:

Notes:

DTS

Title: Country of registration:

Multichannel Predictive Subband Audio Coder PL

Application no.:

PCT/US96/18764; P-327 082; P-346 687; P-346 688

Countries applicable: PL

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Multichannel Predictive Subband Audio Coder

Country of registration: MX

Application no.: PCT/US96/18764; No. 984320

Countries applicable: MX

ETSI Deliverable: TS 102 114

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: JΡ

PCT/US96/18764; 521314/97 Application no.:

Countries applicable: JΡ

ETSI Deliverable: TS 102 114

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

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

Project: DTS

Title: Multichannel Predictive Subband Audio Coder

Country of registration: ΗK

PCT/US96/18764; 99100515.8 Application no.:

Countries applicable: HK

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

DŤS Project:

Title: Multichannel Predictive Subband Audio Coder

Country of registration: **EPO**

Application no.: PCT/US96/18764; 96941446.5

Countries applicable: **EPO ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

US

Project: DTS

Title: A Multi-Channel Predictive Subband Audio Coder Using Psychoacoustic Adaptive Bit Allocation in

Frequency, Time and Over the Multiple Channels

Country of registration:

Patent no.: 5,956,674 Countries applicable: US

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Multichannel Predictive Subband Audio Coder Title:

Country of registration:

Application no.: PCT/US96/18764; 96199832.6 CN

Countries applicable:

ETSI Deliverable: TS 102 114

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

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

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

Digital Theater Systems, Inc. Company name:

Project: DTS

Improving Sound Quality of Established Low Bit-Rate Systems Without Loss of Decoder Compatibility Title:

Country of registration: HK

Application no.: PCT/US00/16681

Countries applicable: ΗK

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: ΑU

PCT/US95/00959 Application no.:

Patent no.: 680341 Countries applicable: ΑU **ETSI Deliverable:** TS 102 114

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

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

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: CL

Application no.: PCT/US95/00959; 180.95

Countries applicable: CL

ETSI Deliverable: TS 102 114

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

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

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

Digital Theater Systems, Inc. Company name:

Project: DTS

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage Title:

Medium

Country of registration: AR

Application no.: PCT/US95/00959 Patent no.: AR255019V1 Countries applicable: AR

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Digitally Encoded Machine Readable Storage Media Using Adaptive Bit Allocation in Frequency, Time

and Over Multiple Channels

Country of registration: US

Patent no.: 5,978,762 (a divisional Application U.S. Patent No. 5,956,674)

Countries applicable: US

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium CA

Country of registration:

Application no.: PCT/US95/00959 2,180,002 Patent no.: Countries applicable: CA **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project:

Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage Title:

Medium

Country of registration: JΡ

PCT/US95/00959 Application no.:

Patent no.: 3187839 Countries applicable: JΡ **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: MX

Application no.: PCT/US95/00959

Patent no.: 184848 Countries applicable: MX**ETSI Deliverable:** TS 102 114

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

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

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: ZA

Application no.: PCT/US95/00959

95/0548 Patent no.: Countries applicable: **7**A **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration: ES

PCT/US95/00959 Application no.: Patent no.: 2115513

Countries applicable: ES

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium CH

Country of registration:

PCT/US95/00959 Application no.:

Patent no.: 691 113 Countries applicable: CH **ETSI Deliverable:** TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

> Medium BR

Country of registration:

PCT/US95/00959; PI 9506695-0 Application no.: BR

Countries applicable:

ETSI Deliverable: TS 102 114

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

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

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

Company name: Digital Theater Systems, Inc.

Project: DTS

Title: Method and Apparatus for Multiplexed Encoding of Digital Audio Information Onto a Digital Audio Storage

Medium

Country of registration:

US 5,451,942

Countries applicable:

US

ETSI Deliverable:

Patent no.:

TS 102 114

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

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

DVB

Company name: France Telecom

Project: DVB

Title: Procédé de codage correcteur d'erreurs à au moins deux codages convolutifs systématiques en parallèle,

procédé de codage itératif, module de décodage et decodeur correspondant

Country of registration: FF Application no.:

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: France Telecom

Project: DVB

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

procédé et dispositif de décodage correspondants

Country of registration: US

Application no.: 09/616,782
Patent no.: -

Countries applicable: US

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: DV

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

Application no.: PCT FR 00/02080

Patent no.:

Countries applicable:

ETSI Deliverable:

FR

EN 301 790

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

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

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

Company name: France Telecom

Project: DVB

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

procédé et dispositif de décodage correspondants

Country of registration: FR
Application no.: 99 09631
Patent no.: Countries applicable: FR

ETSI Deliverable: EN 301 790

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

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

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

Company name: France Telecom

Project: DVB

Title: Procédé de codage 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
Application no.:

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

Company name: France Telecom

Project: DV_R

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

procédé et dispositif de décodage correspondants

Country of registration:

Application no.: P 00 0103733

Patent 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:

Application no.: Patent no.:

98 106926.9

Countries applicable:

HK

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:

Application no.:

Patent no.: 92 460013.3 Countries applicable: DE, GB

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:

96 107690.8 Application no.:

Patent no.:

Countries applicable:

DE, GB

ETSI Deliverable:

FN 301 790

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

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

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

Company name: SES-ASTRA

DVB Project:

Title: Country of registration:

Apparatus and method for generating a carrier frequency

Application no.:

PCT/EP00/01037

Countries applicable:

AU, BR, CA, JP, US

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

SES-ASTRA Company name:

Project: DVB

Apparatus and method for generating a carrier frequency

Title: Country of registration: FPO

HK00106169.2 Application no.:

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

Company name: Project: SES-ASTRA

Title: Apparatus and method for generating a carrier frequency

Country of registration: Application no.: Countries applicable: EP99107496.4 EPO 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

ERM

Company name: Inmarsat Ltd. Project: **ERM** M/B Data Service Title:

Country of registration: PCT

PCT/GB9600751 Application no.:

Countries applicable:

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: ΑU Application no.: 72340/94 Patent no.: 683281

Countries applicable: ΑU

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: **ERM**

Title: M/B Data Service

Country of registration: CA Application no.: 2213753 Countries applicable:

CA

(Work Item: DEN/ERM-TG26-034) EN 301 403 ETSI Deliverable:

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

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

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

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: **PCT**

Application no.: PCT/GB94/01618

Countries applicable: PCT

(Work Item: DEN/ERM-TG26-034) EN 301 403 **ETSI Deliverable:**

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

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

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

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: GB 9402501.2 Application no.: Patent no.: 2286739

Countries applicable: GB

(Work Item: DEN/ERM-TG26-034) EN 301 403 **ETSI Deliverable:**

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

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

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

Company name: Inmarsat Ltd. Project: **ERM**

M/B Data Service Title:

Country of registration: US Application no.: 08/930,037 Patent no.: 6278696 Countries applicable: US

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service

Country of registration: US **Application no.:** US 09/865460

Countries applicable: US
ETSI Deliverable: (Wo

(Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: ERM

Title: M/B Data Service
Country of registration: IN
Application no.: 927/MAS/96

Countries applicable: IN

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd.
Project: ERM
Title: M/B Data Service

Country of registration: EPO
Application no.: 96908234.6
Countries applicable: EPO

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd.
Project: ERM
Title: M/B Data Service

Country of registration: JP Application no.: 8-529083

Countries applicable: JP

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd.
Project: ERM
Title: Prolong-X
Country of registration: JP
Application no.: 7-521,026
Countries applicable: JP

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

Company name: Inmarsat Ltd.
Project: ERM

Title: M/B Data Service

Country of registration: GB
Application no.: 9920083.4
Patent no.: 2337663
Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd.
Project: ERM

Title: M/B Data Service

Country of registration: GB
Application no.: 9920085.9
Patent no.: 2337664
Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: MX Application no.: 9500853 Patent no.: 190168

Countries applicable: MX

(Work Item: DEN/ERM-TG26-034) EN 301 403 ETSI Deliverable:

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

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

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

Company name: Inmarsat Ltd. Project: **ERM** Prolong-X Title: Country of registration: CA Application no.: 2182809 Countries applicable: CA

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: **ERM**

Title: M/B Data Service

Country of registration: GB Application no.: 9506759.1 Patent no.: 2300540

Countries applicable: GB

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: FRM Title: Prolong-X Country of registration: US Application no.: 08/403.735 Patent no.: cancelled Countries applicable: US

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: FRM Title: Prolong-X Country of registration: **EPO** Application no.: 94921737.6 Patent no.: 744109 Countries applicable:

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

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

Company name: Inmarsat Ltd. Project: **ERM**

M/B Data Service Title:

Country of registration: GB Application no.: 9920087.5 2337665 Patent no.: Countries applicable:

ETSI Deliverable: (Work Item: DEN/ERM-TG26-034) EN 301 403

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

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

Company name: Inmarsat Ltd. Project: **ERM** Title: Prolong-X Country of registration: US Application no.: 08/927202 Patent no.: 5877871 US

Countries applicable:

(Work Item: DEN/ERM-TG26-034) EN 301 403 ETSI Deliverable:

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

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

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

Company name: Nexus Telocation Systems, Ltd.

Project: FRM

Title: Remote Position Determination System

Country of registration: US Patent no.: 5,379,047 Countries applicable: US

ETSI Deliverable: EN 300 220 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title: Position Location Using Interferometric Direction Finding

Country of registration: US Patent no.: 5,530,452 Countries applicable: US ETSI Deliverable: EN 300 220

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title: Low Power Frequency Hopped Sp-Sp Paging System

Country of registration: US Patent no.: 5,430,759 Countries applicable: US

ETSI Deliverable:

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title: Synchronization System for a Shared Channel Communication System

Country of registration: US Patent no.: 5,712,867 Countries applicable: US

ETSI Deliverable: FN 300 220

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

Title: A Method of Transmitting Low-Power Freq. Hopped SpSp Data

Country of registration:

Patent no.: 5,546,422 Countries applicable: US

ETSI Deliverable: EN 300 220

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

> licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project:

New Phase Modulation Technique for PLL Circuits (PFSK)

Country of registration: **EPO**

Title:

Patent no.: 0917249.5-2413-IL0000203

Countries applicable: EPO ETSI Deliverable: EN 300 220

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

Company name: Nexus Telocation Systems, Ltd.

Project: FRM

Multi-Path Resistant FH Spread Spectrum Mobile Location System Title:

Country of registration: US Patent no.: 5,583,517 Countries applicable: US

ETSI Deliverable: EN 300 220

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. It was noted during the ERM#17 meeting that EN 300 220 is a generic standard and that Nexus Telocation System's IPR Declaration is associated with a specific technology. Should this specific technology be standardised under a separate work item and result in a different or separate deliverable, the ETSI IPR Database will

be updated accordingly upon Nexus Telocation System's instructions.

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: Decoder for Transmitted Message Activation Codes

Country of registration: EPO 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: Nation-wide Paging with Local Modes of Operation

Country of registration: EPO

Application no.: EP 90915018.7

Company name: Motorola Project: ERMES

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

Country of registration: EPO

Application no.: EP 89913131.2

Company name: Motorola Project: ERMES

Title: Multiple Format Signalling Protocol for a Selective Call Receiver

Country of registration: EPO

Application no.: EP 92901376.1

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: ERMES

Title: Remote Position Determination System

Country of registration: GB

Patent no.: GSM 05.83522
Countries applicable: AT, DE, FR, GB, IT, NL
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: PCT
Patent no.: PCT
IB94/00370

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.: GB96/00270
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
Countries applicable: -

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Pager with Reverse Paging Facility

Country of registration: EPO
Application no.: 92311872.3
Countries applicable: -

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: IT

Patent no.: GSM 05.83522
Countries applicable: AT, DE, FR, GB, IT, NL
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 Application no.: 96901912.4

Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: EPO

Patent no.: GSM 05.83522

Countries applicable: AT, DE, FR, GB, IT, NL 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.: PCT 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: DE

Patent no.: GSM 05.83522
Countries applicable: AT, DE, FR, GB, IT, NL
Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: AT

Patent no.: GSM 05.83522
Countries applicable: AT, DE, FR, GB, IT, NL
Notes: ERMES 2-Way Paging

Company name: Nexus Telocation Systems, Ltd.

Project: ERMES

Title: Remote Position Determination System

Country of registration: NL

Patent no.: GSM 05.83522
Countries applicable: AT, DE, FR, GB, IT, NL
Notes: ERMES 2-Way Paging

Nexus Telocation Systems, Ltd. ERMES

Remote Position Determination System

Company name:
Project:
Title:
Country of registration:
Patent no.:
Countries applicable:

GSM 05.83522 AT, DE, FR, GB, IT, NL ERMES 2-Way Paging Notes:

GMR

Project:

Company name: Digital Voice Systems Inc. (DVSI)

Project: Title: Country of registration: US Patent no.: 5,701,390

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: **GMR**

Title: 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.

Digital Voice Systems Inc. (DVSI) Company name:

Project: **GMR** Title: LIS Country of registration: Patent no.: 5,826,222

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 101 376-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: Country of registration: US Patent no.: 5,826,222 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. 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) GMR Project:

Title: US Country of registration: Patent no.: 5,754,974 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 101 376-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: Country of registration: US

Patent no.: 5,715,365

Countries applicable: US

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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: GMR
Title: Country of registration: US
Patent no.: 5,701,390

Countries applicable: US

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

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and above which

cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: GMR
Title: Country of registration: US
Patent no.: 5,715,365
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: Country of registration: US
Patent no.: 5,226,084
Countries applicable: US

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

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

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Digital Voice Systems, Inc. (DVSI) has issued and has pending patents, both in the United States and abroad, which cover numerous aspects of the vocoder technology included in ETSI draft technical specifications TS 101 376-AA-BB, where the suffix - AA-BB refers to all the parts and sub-parts of the above mentioned

standard.

Company name: Digital Voice Systems Inc. (DVSI)

Project: GMR
Title: 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: **Ericsson Mobile Communications**

Project: **GMR** Title: Receiver Gain

Country of registration: GB

Application no.:

Patent no.: GB 2 233 846

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**

Transmitter Power Control for Radio Telephone System Title:

Country of registration: GB

Application no.: 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**

Title: Receiver Gain

Country of registration: GB

Application no.:

Patent no.: Countries applicable: GB 2 233 846

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**

Power Booster Title:

GB Country of registration:

Application no.:

Patent no.: GB 2 251 768

Countries applicable: GB

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

Notes:

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

GB

Project: GMR

Title: Power Booster

Country of registration:

Application no.: - GB 2 251 768

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 issued by the respective Patent Offices in which they are pending.

Company name: Ericsson Mobile Communications

Project: GM

Title: Improvements in, or in relation to, equalisers

Country of registration:

GB

Application no.: Patent no.:

GB 2 215 567

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 issued 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

Application no.: 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 issued by the respective Patent Offices in which they are pending.

Company name: Ericsson Mobile Communications

Project: GM

Title: Transmitter Power Control for Radio Telephone System

Country of registration: GB

Application no.:

GB 2 233 517

Patent no.: 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: **Hughes Network Systems**

Project: **GMR** Title: US

Country of registration:

US Patent application pending Patent no.:

Countries applicable: **ETSI Deliverable:**

US TS 101 377 (all parts & sub-parts)

Notes:

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

Hughes Network Systems Company name:

Project: GMR Title: Country of registration: US

Patent no.: US Patent application pending

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. 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: **GMR**

Title: Spacecraft Cellular Communication System

Country of registration: US Patent no.: 5, 974,315

Countries applicable: US

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

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

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

Company name: Lockheed Martin Corporation

Project: **GMR**

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

Country of registration: US 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

Project:

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

Country of registration: US Patent no.:

5,875,182

Countries applicable:

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

Company name: Lockheed Martin Corporation

Project:

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

Traffic Throughput

Country of registration:

Patent no.: 5,717,686 US

Countries applicable:

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

US

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

US

Project: **GMR**

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

Country of registration:

6,118,998

Patent no.: 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: Spacecraft Cellular Communication System

Country of registration: Patent no:

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

Country of registration: US

Patent no.: 6,118,998

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

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 US

Countries applicable:

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

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

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

Company name: Lockheed Martin Corporation

Project:

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

Country of registration: US

Patent no.: 6,072,985

Countries applicable: US

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

Notes:

Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc., hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

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

Company name: Lockheed Martin Corporation

Project: **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

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, 974,315 Countries applicable: US

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

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

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: 2.4-to-3 KBPS Rate Adaptation Apparatus for Use in Narrowband Data and Facsimile Communication

Systems

Country of registration: US Patent no.: 6,108,348

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:

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

Systems

Country of registration: US

Patent no.: 6,108,348

Countries applicable: ETSI Deliverable:

US

Notes:

TS 101 377 (all parts & sub-parts) Lockheed Martin Corporation, acting through its agent Lockheed Martin Global Telecommunications Inc.,

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 377-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

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

Company name: Lockheed Martin Corporation

Project:

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

Traffic Throughput

Country of registration: US

Patent no.: 5,717,686 US

Countries applicable:

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

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

hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. In addition to the above listed patent, Lockheed Martin Corporation has filed patent applications in the U.S and abroad covering various features of ETSI draft technical specification TS 101 376-AA-BB, where the suffix -AA-BB refers to all the parts and sub-parts of the above-mentioned standard. The patents that have been granted and those that will be issued, are

GPRS

Company name: De Te Mobil GmbH

Project: **GPRS**

Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz Title:

Country of registration: DF

Application no.: DE 44 02 903

Countries applicable: DE

Company name: De Te Mobil GmbH

Project: **GPRS**

Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz Title:

Country of registration: **PCT**

Application no.: PCT/DE/00121

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

RU, SE, SK, UA, US

SF

Company name: Fricsson Project: **GPRS**

Title: Method and arrangement in a radio communication system

Country of registration: 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: 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,

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

Company name: Fricsson Project: **GPRS**

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

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 Project: **GPRS**

Title: Method and arrangement in a radio communication system

Country of registration: Application no.:

NO 97/4488

9604597-6

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: Fricsson Project: **GPRS**

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

Country of registration: TΗ

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,

Title: Method and arrangement in a radio communication system

Country of registration: Patent no.: 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: **GPRS** Project:

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

Country of registration: Application no.:

TW 86119204

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

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

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: Ericsson Project: **GPRS**

Title: Method and arrangement in a radio communication system

Country of registration: SG Patent no.: 45599

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

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

PI9611059-7

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**

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

Country of registration: Application no.:

MY 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: Ericsson Project: **GPRS**

Title: A Method for Paging Mobile Stations

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 arrangement in a radio communication system

Country of registration: Patent no.:

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: **GPRS** Project:

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

Country of registration: Application no.:

NO 970181

Notes:

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

JΡ 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: Ericsson Project: **GPRS**

Title: A Method for Paging Mobile Stations DF

Country of registration: Application no.:

196816084 Notes:

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

96909413-5

Countries applicable: Notes:

DE, ES, FI, FR, GB, IT, NL

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

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

Company name: Ericsson Project: **GPRS**

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

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**

Title: Method and arrangement in a radio communication system

Country of registration: CN Application no.:

96194057-3

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,

Title: Method and arrangement in a radio communication system

Country of registration: Application no.:

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: **GPRS** Project:

Title: Method and arrangement in a radio communication system

Country of registration: BE

Application no.: Notes:

96909413-5

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

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

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

Company name: Ericsson **GPRS** Project:

Title: Method and arrangement in a radio communication system

Country of registration: Patent no.:

ΑU 9501177

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

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

97/10591 Notes:

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

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

Company name: Ericsson **GPRS** Project:

Title:

Country of registration: Patent no.:

Notes:

Method and apparatus for improving performance of a packet communications system

6031832

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

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

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: TW 101304 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: **GPRS**

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

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.

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

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: Ericsson **GPRS** Project:

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

Country of registration: Application no.:

Notes:

PI9705588

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

Company name: Ericsson **GPRS** Project:

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

Country of registration: Application no.:

Notes:

PI9705856 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

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

Country of registration:

Application no.:

Notes:

PI9806901-2

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

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

Company name: Ericsson **GPRS** Project:

Title: Method for propagation delay control

Country of registration:

Application no.:

Notes:

17373/99

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

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

Company name: Ericsson Project: **GPRS**

Title: Method for propagation delay control

Country of registration:

.IP

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**

Title: Method for propagation delay control

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 for propagation delay control

Country of registration: 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 **GPRS** Project:

Title: Method for propagation delay control

Country of registration:

Application no.:

Notes:

CN 97181188-1

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: Ericsson **GPRS** Project:

Title: Method for propagation delay control

Country of registration: Application no.:

RU 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 Project: **GPRS**

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

Country of registration:

Application no.:

Notes:

PI9611104-6

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

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

Company name: Ericsson **GPRS** Project:

Title: Method for propagation delay control 6205157

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 Project: **GPRS**

A Method for System Registration and Cell Reselection Title:

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**

Title: A Method for System Registration and Cell Reselection

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 for providing a unique temporary identification of a mobile station

Country of registration: AU Patent no.: 723470

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

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

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

Country of registration: ID 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 GPRS

Title: A Method for System Registration and Cell Reselection

Country of registration: DE **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

Title: A Method for Paging Mobile Stations

Country of registration:

961988363

Application no.: 96198
Notes: The S

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

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: Ericsson GPRS

Title: A Method for System Registration and Cell Reselection

Country of registration: CA Application no.: 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,

Title: Method for providing a unique temporary identification of 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: Ericsson **GPRS** Project: Title:

A Method for System Registration and Cell Reselection

Country of registration: Application no.:

BR

PI9611122-4

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 **GPRS** Project:

Title: A Method for System Registration and Cell Reselection

Country of registration: Patent no.:

ΑU 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,

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:

RR

Application no.: Notes:

PI9712464-8

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: Ericsson **GPRS** Project:

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

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: A Method for Paging Mobile Stations

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,

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

Company name: Ericsson Project: **GPRS**

Title: A Method for Paging Mobile Stations

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: A Method for Paging Mobile Stations

Country of registration: Patent no.: 2321371

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

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

Country of registration: **EPO** Application no.: 98100009-4 Countries applicable: DE, FI, FR, GB, IT

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

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

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

Company name: Ericsson Project: **GPRS**

Title: Method for propagation delay control

Country of registration: ΑU Patent no.: 731007

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO** Application no.: 97911569

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

Notes:

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

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

Company name: Ericsson Project: **GPRS**

Title: Method for propagation delay control

Country of registration: CA Application no.: 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 **GPRS** Project:

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

Country of registration: JĖ Application no.: 516134/95

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 Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

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,

Company name: Ericsson GPRS

Title: Automatic retransmission request

Country of registration: Application no.:

ation: 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 Project: GPRS

Title: Automatic retransmission request

Country of registration: Patent no.:

CA 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 Project: 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:

6911850

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: GPRS

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

Country of registration: US
Patent no.: 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: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: TW Patent no.: NI-078115

Notes:

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

under the IPRs on terms and conditions which are 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: Apparatuses and mobile stations for providing packet data comm. in digital TDMA cellular systems

Country of registration: Patent no.:

SG 43755

Notes:

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

Country of registration: Application no.:

JΡ 524612/98

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:

Ericsson **GPRS**

Title:

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

Country of registration: Application no.:

KR 703333/95

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 **GPRS**

Project: Title:

Method and apparatus for improving performance of a packet communications system

Country of registration:

IN

Application no.:

Notes:

3395/DEL/1997

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

Notes:

GPRS

Title:

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

Country of registration:

953775

Application no.:

Company name:

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

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

Project: Title:

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

Country of registration: Application no.:

Notes:

95903477-8

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:

Ericsson **GPRS**

Project: Title:

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

Country of registration: 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,

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

Country of registration: Application no.:

CN 94191082-2

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** Project:

Title: Automatic retransmission request

Country of registration: US Patent no.:

5577046

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

US 5694391

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: LIS Patent no.: 5701298

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

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

Country of registration: Application no.:

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

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: **GPRS**

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

Country of registration: Patent no.:

AU 675898

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

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

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

Company name: Ericsson Project: **GPRS**

Title: Allocation of channels for packet data services

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

Country of registration: Patent no.:

189602

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

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

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

Company name: Ericsson **GPRS** Project:

Title: Automatic retransmission request

Country of registration: KR

Application no.: 702768/1995

Notes:

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

Country of registration: Application no.:

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 Project: **GPRS**

Title: Automatic retransmission request

Country of registration:

SE Application no.:

Notes:

95901754-2 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Automatic retransmission request

Country of registration:

Application no.: 9608122-9

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 Project: **GPRS**

Title: Automatic retransmission request

Country of registration: N7 Patent no.: 329738

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Automatic retransmission request

Country of registration: ΝZ 276573 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: Automatic retransmission request

Country of registration: US Patent no.: 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 **GPRS** Project:

Title: Automatic retransmission request

Country of registration: MY

Patent no.: MY-111807-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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Method and apparatus for addressing a wireless communication station with a dynamically asigned Title:

address IN

Country of registration:

Application no.: 1524/Del/97

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **GPRS**

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**

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

KR

Country of registration: JΡ Application no.:

501513/98

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: Allocation of channels for packet data services

Country of registration: Application no.:

0026383-0

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,

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration: Application no.:

MX 9810624

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

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.

Ericsson Company name: Project: **GPRS**

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

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: Ericsson GPRS Project:

Title: Automatic retransmission request

Country of registration: **EPO** Application no.: 95901754-2

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.

Ericsson Company name: Project: **GPRS**

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address

Country of registration:

US 5708655

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: **GPRS**

Title: Method and apparatus for improving performance of a packet communications system

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 and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

9713436/8

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.

Method and apparatus for improving performance of a packet communications system

Company name: **GPRS** Project:

Title: Country of registration:

CA

Application no.: Notes:

2272594

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 CN

Country of registration: Application no.:

97181467/8

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: **GPRS**

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: FPO 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **GPRS** Project:

Title: Automatic retransmission request MX

Country of registration: 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 **GPRS** Project:

Title: Improved routing area update procedure

CN

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: Ericsson Project: **GPRS**

Title: Communicating packet data with a mobile station roaming within an incompatible mobile network

Country of registration: Application no.:

2283886

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,

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.:

Notes:

19681600.9

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: Project:

Title: Country of registration:

Application no.:

Notes:

GPRS

Communicating packet data with a mobile station roaming within an incompatible mobile network JP

545566/98

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration:

Application no.:

Notes:

CN 96198841.X

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title:

Country of registration: Application no.:

Notes:

Communicating packet data with a mobile station roaming within an incompatible mobile network MX

998111 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title: Country of registration:

Application no.:

Notes:

Activity Control for a Mobile Station in a Wireless Communication System

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title: Communicating packet data with a mobile station roaming within an incompatible mobile network Country of registration:

Application no.:

TH 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 Project: **GPRS**

Title: Communicating packet data with a mobile station roaming within an incompatible mobile network

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: Improved routing area update procedure

Country of registration:

Application no.: PI9813491-4

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 **GPRS** Project:

Title: Allocation of channels for packet data services

US

Country of registration: Patent no.:

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 **GPRS** Project:

Title: Improved routing area update procedure

Country of registration: Application no.:

CL 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**

Title: Centralized radio network control on a mobile communications system T\//

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: Improved routing area update procedure

Country of registration:

Application no.:

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: NO 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: Ericsson Project: **GPRS**

Title: Improved routing area update procedure

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,

Title: Improved routing area update procedure

Country of registration: Patent no.:

US 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: Link quality reporting using frame erasure rates

Country of registration: Application no.:

US 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: Project:

Ericsson **GPRS**

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

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: Ericsson Project: **GPRS**

Method and apparatus for addressing a wireless communication station with a dynamically asigned Title:

Country of registration:

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 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.

under the IPRs on terms and conditions which are in accordance with Clause 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 addressing a wireless communication station with a dynamically asigned

address

Country of registration:

CN

Application no.: 97197327-X

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Title: Method and apparatus for addressing a wireless communication station with a dynamically asigned

address **EPO**

Country of registration: Application no.: 97927559-1

Countries applicable: DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Improved routing area update procedure CA

Country of registration: 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: Ericsson Project: **GPRS**

Centralized radio network control on a mobile communications system Title:

Country of registration: Application no.:

ΑU 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 **GPRS** Project:

Title: Method and apparatus for improving performance of a packet communications system

Country of registration: Application no.:

MX 994959

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title: Allocation of channels for packet data services DE

Country of registration:

Application no.: 19983154-8

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: **GPRS**

Title: Allocation of channels for packet data services

Country of registration: CN

Application no.: 99808197-3

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.

Ericsson Company name: Project: **GPRS**

Title: Allocation of channels for packet data services

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.:

CA 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:

Title: Allocation of channels for packet data services

Country of registration: Application no.:

BR 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 **GPRS** Project:

Title: Activity Control for a Mobile Station in a Wireless Communication System

Country of registration: Patent no.:

US 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: Ericsson Project: **GPRS**

Title: Activity Control for a Mobile Station in a Wireless Communication System MX

Country of registration: 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: Ericsson Project: **GPRS**

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: Ericsson Project: **GPRS**

Activity Control for a Mobile Station in a Wireless Communication System Title:

Country of registration: HK 1015109 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: **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 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: **GPRS** Project:

Title: Centralized radio network control on a mobile communications system US

Country of registration: Patent no.: Notes:

5930241

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Automatic retransmission request

Country of registration: Patent no.:

ΝZ 329739

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

RR

Application no.: Notes:

PI9806777-0

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: Ericsson **GPRS** Project:

Title:

Country of registration: Application no.:

Notes:

Centralized radio network control on a mobile communications system

98803413-1

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: Ericsson Project: **GPRS**

Title: Centralized radio network control on a mobile communications system

Country of registration: EPΩ 98901144-0 Application no.:

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: Centralized radio network control on a mobile communications system

Country of registration: HU Application no.: P0000844

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

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: **GPRS** Project: Title:

Country of registration:

Application no.:

Notes:

Centralized radio network control on a mobile communications system JΡ

534212/98 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Centralized radio network control on a mobile communications system

Country of registration: KR

Application no.:

Notes:

10-1999-7006394

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes:

MX 996495

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title:

Country of registration: Application no.:

Notes:

Allocation of channels for packet data services

PI 9901660

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: VΕ Application no.:

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 Project: **GPRS**

Title: Secure access method, and associated apparatus, for accessing a private data communication 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.

Title: Packet Channel Feedback

Country of registration: CA Application no.: 2279521

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GPRS** Project:

Title: Packet Channel Feedback

Country of registration: CN Application no.:

96198927.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.: Countries applicable:

98903323-8 DE, FR, GB, IT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Packet Channel Feedback 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: Fricsson Project: **GPRS**

Title: Packet Channel Feedback JΡ

Country of registration: 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,

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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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,

Title: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration:

Application no.: 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 **GPRS** Project:

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Patent no.:

ΑU 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 **GPRS** Project:

Title: Packet Channel Feedback

Country of registration: US Patent no.: 5910949

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 in a communication network

6061346

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:

Country of registration:

Patent no.:

Notes:

Secure access method, and associated apparatus, for accessing a private data communication network

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GPRS**

Title: Packet Channel Feedback

Country of registration: Application no.:

CA

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, 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: 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,

Title: Packet Channel Feedback

Country of registration: ΝZ 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 **GPRS** Project:

Title: Secure access method, and associated apparatus, for accessing a private data communication network

Country of registration: Patent no.: Notes:

ΑU 725656

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.:

JΡ 528116/98

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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

CN 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:

Country of registration:

Application no.:

Secure access method, and associated apparatus, for accessing a private data communication network

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 Project: **GPRS**

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: US Patent no.:

5784362

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

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: Ericsson **GPRS** Project:

Title:

Country of registration: **EPO** Application no.: 98901145-7 Countries applicable: DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Secure access method, and associated apparatus, for accessing a private data communication network

Company name: Ericsson Project: **GPRS**

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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Country of registration:

Patent no.:

Notes:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol 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: Ericsson Project: **GPRS**

Title: Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

Country of registration: Application no.:

JΡ 531663/96

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**

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol Title: KR

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: 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: Method for providing a unique temporary identification of a mobile station

Country of registration: Patent no.:

6208628

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

IT 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:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

ΑU 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 **GPRS**

Project: Title:

Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Application no.:

CA 2039162

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

Ericsson **GPRS**

Title:

Packet Channel Feedback

Country of registration:

Application no.:

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.

Company name:

Ericsson **GPRS**

Project: Title:

Method in a communication network

Country of registration: Application no.:

SF

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 **GPRS**

Project: Title:

Packet Channel Feedback

Country of registration:

Notes:

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,

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: **GPRS** Project:

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

ES 2045892

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may 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 **GPRS** Project:

Title: Method in a communication network

Country of registration: Application no.:

EPO 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,

under the IPRs on terms and conditions which are in accordance with Clause 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: FI Patent no.: 102438

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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.: 3468/2000

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 in a communication network

Country of registration: US

Patent no.: US-6317421

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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.:

69003915

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 GPRS

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

NZ 234719

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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 Project: GPRS

Title: Packet Channel Feedback

Country of registration: BR

Application no.: PI96111082-1

Notes: Pigoti1082-1

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: Ericsson GPRS

Title: Packet Channel Feedback

Country of registration: AU 713942

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

US

Patent no.: 5103445 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, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson

Company name: Ericsso Project: GPRS

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

TW 47478

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: FR **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.: 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:

Project:

Title:

JΡ Country of registration:

Patent no.: Notes:

GPRS

Method of adapting a mobile radio communication system to traffic and performance requirements

2987199 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson **GPRS**

Title: Method of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

NL 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:

Project:

Ericsson **GPRS**

Title:

Method for providing a unique temporary identification of a mobile station

Country of registration:

Application no.:

Notes:

V/F 0071

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson **GPRS**

Title:

Country of registration:

Application no.:

2217059

Notes:

Temporary frame identification for ARQ in a reservation-slotted-aloha type of protocol

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson **GPRS**

Title: Country of registration:

Patent no.:

MX

Notes:

180449 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

Method of adapting a mobile radio communication system to traffic and performance requirements

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Ericsson **GPRS**

Title:

Method for providing a unique temporary identification of a mobile station

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 in a communication network 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 of adapting a mobile radio communication system to traffic and performance requirements

Country of registration: Patent no.:

KR 105635

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola **GPRS** Project:

Title: Cellular Voice and Data Radiotelephone System

Country of registration: FΙ Patent no.: FI79768 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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Motorola Company name: Project: **GPRS**

Title: Cellular Voice and Data Radiotelephone System

Country of registration: NO N169810 Patent no.:

Countries applicable: 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: Motorola Project: **GPRS**

Title: Cellular Voice and Data Radiotelephone System

Country of registration: FPO

EP0188534 Patent no.:

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: Motorola **GPRS** Project:

Title: Method for Communicating Data in a Wireless Communication System

EPO Country of registration: Patent no.: EP0847652

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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: 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

Company name: Motorola Project: **GPRS**

Title: Method and Apparatus for Communication System Access

Country of registration: Patent no.: EP0804834

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE 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: Motorola Project: **GPRS**

Method for Dynamically Allocating Wireless Communication Resources Title:

Country of registration: GB

GB2298999 Patent no.:

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: Motorola Project: **GPRS**

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: Handoff in a cellular communication system

Country of registration: **EPO** EP00746172 Patent no.:

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance 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 Proiect: **GPRS**

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network DF

Country of registration:

Application no.: CN / 1180285 CN

Countries applicable:

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: DF

EP 0 938 822 Application no.: 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.

Title: Method for jam-resistant communication transmission

Country of registration:

CA 1238951 Patent no.:

Countries applicable: **ETSI Deliverable:**

CA 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 **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: 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**

Title: GPRS continuous timing advance update

DF

Country of registration: Application no.:

IN / 2158/CAL/97

Countries applicable:

IN

ETSI Deliverable:

GSM 03.64

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

GPRS continuous timing advance update Title:

Country of registration: DF

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,

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 DE

Country of registration:

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,

Title: GPRS continuous timing advance update

Country of registration: DE

Application no.: EP 0 938 821 Countries applicable: **EPO 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.

Company name: SIEMENS **GPRS** Project:

Title: GPRS continuous timing advance update

Country of registration: DE

Application no.: WO98/23105 Countries applicable: US 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: Method and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

EP 0 827 355 Application no.: Countries applicable: EPO

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

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:

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: KR / 7010361/00

Countries applicable: KR

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0 **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: Project: **GPRS**

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration: DE

EP 1 064 810 Application no.: 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,

Title: Method and mobile communication system for routeing of call connections

Country of registration:

Application no.: EP 0 878 109

Countries applicable: **ETSI Deliverable:**

EPO

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 **GPRS** Project:

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: **GPRS**

Title: Interception in wireless networks

Country of registration:

DF

Countries applicable:

DE 197 41 216 DE

ETSI Deliverable:

Patent no.:

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: **GPRS**

Title: Interception in wireless networks

Country of registration: DF

Application no.: CN / 1271501

Countries applicable: CN

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: **GPRS**

Title: Interception in wireless networks DF

Country of registration:

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,

Title: Method and mobile communication system for supporting portability of a mobile subscriber telephone

number

Country of registration: Patent no.:

DF DE 197 09 713

Countries applicable:

DF

ETSI Deliverable:

GSM 03.66 V7.3.1 GSM 02.66 V7.1.0; TS 22.066 V3.0.1; TS 23.066 V3.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Quality of Service dependent paging in GPRS

Country of registration: DF

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 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 DF

Country of registration:

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS **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:

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: **GPRS** Project:

Title: Quality of Service dependent paging in GPRS

Country of registration: DF

DE 19707261 Patent no.:

Countries applicable: DE

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 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Patent no.: US 6 035 198

Countries applicable: US

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **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

JP 2977154 Patent no.:

Countries applicable: JΡ

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GPRS**

Method and mobile communication system for routeing of call connections Title:

Country of registration: DF 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: DE

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 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Project: **GPRS**

Quality of Service dependent paging in GPRS Title:

Country of registration: Application no.: EP 0 974 236

Countries applicable: **EPO 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

Title: GPRS continuous timing advance update

Country of registration: DF

Application no.: AR / P970105383 Countries applicable: AR GSM 03.64

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: SIEMENS **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: DE

Patent no.: ZA / 97/10374

Countries applicable: ZΑ

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,

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.: CN / 1238104

Countries applicable: CN

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: DF

Application no.: EP 0 938 820 EPO Countries applicable:

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,

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.:

WO98/23104

Countries applicable:

US

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 04.60 V8.4.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

Title:

Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

DE

Patent no.: Countries applicable: ZA / 97/1037 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 ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GPRS**

Project: Title:

Process and base station system for configuring an air interface between a mobile station and a base station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: Patent no.:

Countries applicable:

DE 19647629 DE

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

SIEMENS **GPRS**

Project: Title:

Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration:

Application no.:

DF IN / 2160/CAL/97

Countries applicable:

ETSI Deliverable:

GSM 03.64 V6.0.1 GSM 05.02 V6.2.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project:

SIEMENS **GPRS**

Title:

GPRS continuous timing advance update DE

Country of registration: Patent no.:

Countries applicable:

ZA / 97/10371 ZΑ

ETSI Deliverable:

Notes:

GSM 03.64

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS **GPRS** Project:

Title: Process and base station system for configuring an air interface between a mobile station and a base

station in a time-division multiplex mobile radio telephone system for packet data transmission

Country of registration: 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.

Company name: SIEMENS Project: **GPRS**

Title: GPRS continuous timing advance update

Country of registration: DF Application no.: AU / 73051/98 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.

SIEMENS Company name: Project: **GPRS**

Title: Method and mobile communication system for routeing of call connections

Country of registration: DF

DE 19635581 Application no.:

Countries applicable:

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.

SIEMENS Company name: 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

Country of registration: Application no.: WO97/02712 Countries applicable: CN, EPO, US **ETSI Deliverable:** GSM 08.18 V8.3.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method for the use of services by network subscribers

Country of registration: Application no.: FI / 955737 Countries applicable: FΙ GSM 03.78 V6.1.1

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: SIEMENS **GPRS** Project:

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:

Patent no.: DE 195 34 15

Countries applicable: DE

ETSI Deliverable: GSM 03.64 V6.0.1

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.

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 DE

Country of registration:

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.

Company name: SIEMENS Project: **GPRS**

Title: Process and device for data transmission in a cellular radio system

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.

SIEMENS Company name: Project: **GPRS**

Method for the transmission of subscriber data between network nodes in at least one communications Title:

network supporting the structure of an intelligent network

Country of registration: DE

FI / 961174 Application no.:

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: Process and device for data transmission in a cellular radio system

Country of registration: Application no.: EP 0 872 148 Countries applicable: **EPO**

GSM 03.64 V6.0.1 **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: SIEMENS **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: DF

Application no.: CN / 1137714

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: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

> under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy. in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Process and device for data transmission in a cellular radio system

Country of registration: DF Application no.: WO97/25827 Countries applicable: US

ETSI Deliverable: GSM 03.64 V6.0.1 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS 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: DE

US 5 839 076 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 03.78 V6.1.1; TS 29.002 V3.6.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Method and radio station for the transmission of data by way of a GSM mobile radio network Title:

Country of registration: 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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: DF

Patent no.: DE 19509000

Countries applicable:

DF 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: Process and device for data transmission in a cellular radio system

Country of registration: DF

Application no.: RU / 98114847

Countries applicable: RU

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 and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration:

DF Patent no.: DE 195 49 009

Countries applicable: DE

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.

SIEMENS Company name: 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

Country of registration:

DE 195 24 659 Patent no.: Countries applicable: DF

ETSI Deliverable: GSM 08.18 V8.3.0

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Method for administering additional services in a mobile communication network Title:

Country of registration: DE

Patent no.: ZA / 97/1770

Countries applicable: **7**A

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: 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.: WO97/10685 Countries applicable: EPO, 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 and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration: DF

Application no.: WO97/24891 **EPO**

Countries applicable:

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **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.

Company name: SIEMENS **GPRS** Project:

Title: Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration:

Patent no.: US 5 943 327

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: **GPRS** Project:

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 EPO Countries applicable:

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,

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: Method and radio station for the transmission of data by way of a GSM mobile radio network

Country of registration: DF

Patent no.: US 6 138 028

Countries applicable: US

ETSI Deliverable: GSM 03.64 V6.0.1 GSM 04.08 V6.7.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GPRS**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF 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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

US 6 085 105 Patent no.:

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.

SIEMENS Company name: Project: **GPRS**

Title: Method for iam-resistant communication transmission Country of registration: DF

Patent no.: Countries applicable:

US 4 843 612 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**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Device for point-to-point wire-free transmission of speech

Country of registration: DE

DE 32 25 443

Patent no.: 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.

Company name: SIEMENS **GPRS** Project:

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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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:

Application no.: DE 19812215

Countries applicable:

DE

DF

ETSI Deliverable: Notes:

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method for setting up a connection between a plurality of cellular networks

Country of registration: DF

EP 0 675 663 Patent no.:

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 and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration:

Application no.: IN / 1533/CAL/97

Countries applicable:

IN

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 for administering additional services in a mobile communication network

Country of registration:

Application no.: CN / 1160330 CN

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1; TS 29.002 V3.6.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS **GPRS** Project:

Title: Process and device for data transmission in a cellular radio system

Country of registration: DF

Patent no.: DE 196 00 197

Countries applicable: DE

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: DE FP 0 793 394 Application no.: 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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 DF

Country of registration:

DE 36 38 735 Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM 03.03 V7.5.0 GSM 02.16 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 DF

Country of registration:

Patent no.: US 5 648 967

Countries applicable: US

ETSI Deliverable: GSM 03.64, V6.0.1

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GPRS**

Title: Method and arrangement for transmitting information in a digital radio system

Country of registration: DF

Patent no.: EP 0 671 824 Countries applicable: EPO, FI

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,

GSM

Company name: Alcatel Project: **GSM**

Energy saving method in a terminal of a mobile radiocommunication network Title:

Country of registration: FI

FI 9602541 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: GSM

Title:

Mobile Radio Network Adaptation Center Country of registration:

Application no.: 743634 Countries applicable: US

ETSI Deliverable: GSM 03.54, V5.0.0

Notes: 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: A transmission burst organized for discontinuous transmission

Country of registration: AU Patent no.: AU 9640950 Countries applicable: ΑU GSM 05.03 ETSI Deliverable:

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: FR 2722353 Patent no.: Countries applicable: FR 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: CN 95-115005 Application no.: Countries applicable: CN ETSI Deliverable: GSM 08.61

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, CH, DE, ES, FR, GB, IT, NL, SE **ETSI Deliverable:** GSM 01.78, 02.78, 03.78 and 09.78

Company name: Alcatel Project: GSM

Title: Mobile Radio Network Adaptation Center

Country of registration:

Application no.: 2 189 791 Countries applicable: CN

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 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 Network Adaptation Center

Country of registration:

Application no.: EP 96 440 095 Patent no.: EP 773 693 DE, ES, FR, GB, IT Countries applicable: **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**

Frame at the TRAU-BTS interface in a cellular radiocommunication network Title:

Country of registration: Patent no.: Countries applicable:

ETSI Deliverable:

NZ 272491 ΝZ GSM 08.61

NZ

Company name: Alcatel Project: GSM

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: US

SerNo 496749 Application no.: Countries applicable: US 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:

Patent no.: FI 9503345 Countries applicable: FΙ **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 AU 9523340 Patent no.: Countries applicable: ΑU GSM 08.61 **ETSI Deliverable:**

Company name: Alcatel Project: **GSM**

Title: A transmission burst organized for discontinuous transmission

Country of registration: ΝZ NZ 280835 Patent no.: Countries applicable: N7 **ETSI Deliverable:** GSM 05.03 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: FR Patent no.: FR 2695776 Countries applicable: FR

ETSI Deliverable: GSM 04.08 and 05.10

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**

TRAU/BTS Error Procedure Title:

Country of registration: FΙ Patent no.: FI 9503969

Countries applicable: FΙ

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: FR FR 2702111 Patent no.: Countries applicable: FR

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: GSM

Hand-over technique for transferring calls between adjacent cells of cellular phone system Title:

Country of registration: **EPO** EP 698318 Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: **EPO**

Patent no.: EP 686325

Countries applicable: AT, BE, CH, DE, DK, ES, GB, IT, NL, SE

GSM 08.60 and 08.61

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: **GSM**

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system Country of registration: FΙ

Patent no.: FI 9505437 Countries applicable: FΙ

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: **GSM**

Title: TRAU/BTS Error Procedure

Country of registration: NO Patent no.: NO 9503356

Countries applicable: NO

Company name: Alcatel Project:

ETSI Deliverable:

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: .IP 525067/94 Application no.: Countries applicable: JΡ

ETSI Deliverable: GSM 04.08 and 05.10 Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

Country of registration: US

Application no.: SerNo 495615

Countries applicable: US

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: GSM

Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system

Country of registration: CA
Application no.: 2162707
Countries applicable: CA

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: NO NO 9303254
Countries applicable: NO

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: US
Application no.: SerNo 545869
Countries applicable: US

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: AU AU 9467885 Countries applicable: AU

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Country of registration:

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network NZ

Patent no.: NZ 248564 Countries applicable: NZ

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: FR Patent no.: FR 2705514

Countries applicable: FR

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
Application no.: 94-192099
Countries applicable: CN

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: Software downloading for a telecommunications terminal

Country of registration:
Patent no.:
Countries applicable:
AU 643526
AU 643526
AU 653526
AU 653526
AU 653526
AU 653526
AU 653526

Company name: Alcatel Project: **GSM**

Title: A transmission burst organized for discontinuous transmission

Country of registration: FΙ

FI 9600300 Patent no.: Countries applicable: FΙ **ETSI Deliverable:** GSM 05.03

Company name: Alcatel Project: **GSM**

Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network

Country of registration: **EPO** EP 692919 Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 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: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

network

Country of registration: FΙ Patent no.:

FI 9304006 Countries applicable: FΙ

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel GSM Project:

Title: Data frame transmission system for transmitter and receiver

Country of registration: Patent no.: FI 9404071 Countries applicable: FΙ **ETSI Deliverable:** GSM 08.61

Company name: Alcatel Project: **GSM**

Title: Mobile Radio Network

Country of registration:

Application no.: P 36 38 735 Patent no.: DE 3638735

Countries applicable: DF

ETSI Deliverable: GSM 02.16, 03.03 and 04.08 Notes: jointly owned with Siemens.

DE

Company name: 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 1052/DEL/93

Countries applicable: IN

Application no.:

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: Computer-controlled radiotelephone

Country of registration: EPO Patent no.: EP 297616

AT, BE, DE, ES, FR, GB, GR, IT, NL, SE Countries applicable:

ETSI Deliverable: GSM 03.26

Company name: Alcatel Project: **GSM**

Title: A transmission burst organized for discontinuous transmission

Country of registration: FR FR 2729806 Patent no.: Countries applicable: FR **ETSI Deliverable:** GSM 05.03

Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

Country of registration: CN
Application no.: 94-191289
Countries applicable: CN

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: GSM

Title: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

Country of registration: network EPO Patent no.: EP 589753

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, NL, PT, SE

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

Country of registration: network CN
Application no.: network CN
CN 93-119206

Countries applicable: CN

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: TRAN/BTS Error Procedure

Country of registration: JP Application no.: 518716/94 Countries applicable: JP

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: GSM

Title: TRAU/BTS Error Procedure

Country of registration: AU **Patent no.:** AU 9461115

Countries applicable: US

ETSI Deliverable: GSM 08.60 and 08.61

Company name: Alcatel Project: GSM

Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM

Country of registration: network SG
Patent no.: SP 9605241-0

Countries applicable: SG

ETSI Deliverable: GSM 04.08 and 05.10

Company name: Alcatel Project: GSM

Title: Data frame transmission system for transmitter and receiver

Country of registration: EPO EP 642242

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 08.61

Company name: Alcatel Project: GSM

Title: Mobile Radio System with a Repeater

Country of registration: US

Application no.: SerNo 331341
Countries applicable: US
ETSI Deliverable: GSM 05.05

Company name: Alcatel
Project: GSM

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: Communication transfer in cellular radio telephone network

Country of registration: EPO

Patent no.: EP 438099

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.09

Company name: Alcatel Project: **GSM**

Title: Mobile Radio System with a Repeater

Country of registration: ΑU

AU 77486 Patent no.: Countries applicable: AU **ETSI Deliverable:** GSM 05.05

Company name: Alcatel

Project: **GSM**

Title: Mobile Radio System with a Repeater **EPO**

Country of registration: EP 651524 Patent no.: Countries applicable: DE, FR, GB, IT, SE **ETSI Deliverable:** GSM 05.05

Company name: Alcatel Project: **GSM**

Title: Mobile Radio System with a Repeater

Country of registration:

Patent no.: FI 945088 Countries applicable: FΙ **ETSI Deliverable:** GSM 05.05

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: JP

Patent no.: JP 60 86358 Countries applicable: ĴР **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

Country of registration: ΝZ NZ 236814 Patent no.: Countries applicable: ΝZ **ETSI Deliverable:** GSM 03.09

Company name: Alcatel

Project: **GSM** Communication transfer in cellular radio telephone network Title:

Country of registration: ΑU AU 639516 Patent no.: Countries applicable: ΑU

ETSI Deliverable: GSM 03.09

Company name: Alcatel Project: **GSM**

Title: Communication transfer in cellular radio telephone network

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

Patent no.: US 5289525 Countries applicable: US **ETSI Deliverable:** GSM 03.09

Company name: Alcatel Project: GSM

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: 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: 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: A transmission burst organized for discontinuous transmission

Country of registration: EPO
Patent no.: EP 724342

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, NO, SE

ETSI Deliverable: GSM 05.03

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: AU 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: PCT

WO 96131134 Application no.:

Countries applicable: AT, BE, DE, ES, FR, GB, IT, NL, SE

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

SerNo 666428 Application no.:

Countries applicable: US

ETSI Deliverable: GSM 03.41 and 04.12

Company name: Alcatel Project: **GSM**

Title: Mobile Radio System with a Repeater

Country of registration: NZ

Patent no.: NZ 264804 Countries applicable: ΝZ **ETSI Deliverable:** GSM 05.05

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: AT&T Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangement

Country of registration:

Patent no.: 0 175 752

Countries applicable: ΒE 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:

US Patent no.: RE 32 580 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.

AT&T Company name: Project: **GSM**

Title: Digital Speech Coder

Country of registration: SE

Patent no.: 4 674 298-6

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.

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.

AT&T Company name: Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangemen

Country of registration: Patent no.:

CA 1 222 568

Countries applicable: CA 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.

GB

Company name: AT&T Project: **GSM**

Digital Speech Encoder Title:

Country of registration:

Patent no.: 2 110 906 Countries applicable: GB

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: Signalling Arrangements in a Cellular Mobile Telecomms Switching System

Country of registration: UŠ

Patent no.: 5 396 543

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: Digital Speech Encoder

Country of registration: DF

Patent no.: 3 244 476 Countries applicable: DE

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.

Title: Digital Speech Encoder

Country of registration: Patent no.:

JΡ 1 332 758

JΡ

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.

AT&T Company name: Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangement

Country of registration: Patent no.:

FR 0 175 752 Countries applicable: FR

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**

Multipulse LPC Speech Processing Arrangement Title:

DE

Country of registration:

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

Company name: AT&T Project: **GSM**

Multipulse LPC Speech Processing Arrangement Title:

provided.

Country of registration: SE

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: Paging Arrangements in a Cellular Mobile Switching System

Country of registration: US

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.

Title: Arrangement for Detecting Fraudulently Identified Mobile Stations in a Cellular Mobile

Telecommunications Switching System

Country of registration:

Patent no.: Countries applicable: US 5 309 501 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 US

Country of registration:

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: Project:

AT&T **GSM**

Title:

Digital Speech Coder CĂ

Country of registration:

Patent no.:

1 181 854

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:

FR

Patent no.:

8 219 772

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:

Multipulse LPC Speech Processing Arrangement

Country of registration:

NL

Patent no.:

0 175 752

Countries applicable: Notes:

NL

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.

Title: Multipulse LPC Speech Processing Arrangement

Country of registration: Patent no.:

4 701 954

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.

AT&T Company name: Project: **GSM**

Digital Speech Coder Title:

Country of registration: Patent no.:

CA 1 181 854

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: N7 Patent no.: 285840 Countries applicable: NZ, PCT

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: ВТ GSM Project:

Title: Transmission of Digital Signals

Country of registration: ΝZ Application no.: 313228 Countries applicable: N7 **ETSI Deliverable:** GSM 02.53

Company name: ВТ 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: RT Project: **GSM**

Transmission of Digital Signals Title:

Country of registration: US 983578/08 Application no.: Countries applicable: US **ETSI Deliverable:** GSM 02.53

Company name: BT **GSM** Project:

Title: Voice Activity Detector Country of registration: Application no.: PCT/GB89/00247 Patent no.: Published WO 89/08910

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: 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: Telecommunications System

Country of registration: CA
Application no.: 2189770
Countries applicable: CA

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Voice Activity Detector

Country of registration: EPO 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).

Company name: BT **Project:** GSM

Title: Voice Activity Detector

Country of registration: IE
Patent no.: IE 61863
Countries applicable: IE

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: Transmission of Digital Signals

Country of registration: CA
Application no.: 2227273
Countries applicable: CA
ETSI Deliverable: GSM 02.53

Company name: BT GSM

Title: Telecommunications System

Country of registration: AU
Patent no.: 685281
Countries applicable: AU

ETSI Deliverable: AU GSM 03.93 and GSM 04.93

Company name: BT Project: GSM

Title: Transmission of Digital Signals

Country of registration: BR
Application no.: 9609577-6
Countries applicable: BR
ETSI Deliverable: GSM 02.53

Company name: BT Project: GSM

Title: Cellular Radio Systems

Country of registration: EPO Application no.: 94915668.1

Countries applicable: AT, BE, CH, DE, DK, ES, FR, IE, IT, NL, PT, SE ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: Application no.: 96924979.6

Countries applicable: BE, CH, DE, DK, ES, FI, FR, GB, IE, IT, NL, PT, SE

ETSI Deliverable: GSM 02.53

Company name: ВТ Project: **GSM**

Title: Voice Activity Detector

Country of registration: SG Patent no.:

9691600-2

SG

Countries applicable:

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, Notes: 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).

ВТ Company name: Project: **GSM**

Title: Voice Activity Detector for Half Rate GSM Coder

Country of registration: MY

Application no.: PI 9402448 (filed 14 Sept. 94) **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).

ВТ Company name: **GSM** Project:

Title: Voice Activity Detector

Country of registration: **EPO**

EP 0 335 521 Patent no.:

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LU, NL, SE

BT have stated that the identified patent may be relevant to the full rate GSM voice activity detector, that Notes:

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 Project: **GSM**

Title: Transmission of Digital Signals

Country of registration: MY Application no.: PI9602981 Countries applicable: MY ETSI Deliverable: GSM 02.53

Company name: RT Project: **GSM**

Transmission of Digital Signals Title:

Country of registration: CN Application no.: 96196861.3 Countries applicable: CN **ETSI Deliverable:** GSM 02.53

Company name: BT **GSM** Project:

Transmission of Digital Signals Title:

Country of registration: NO Application no.: 980260 Countries applicable: NO GSM 02.53 **ETSI Deliverable:**

Company name: BT Project:

Title: Telecommunications System

Country of registration: N7 Patent no.: 285839 Countries applicable: NZ, PCT

ETSI Deliverable: GSM 03.93 and GSM 04.93 Company name: ВТ 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:

Title: Transmission of Digital Signals

Country of registration: HK Application no.: tba Countries applicable: HK **ETSI Deliverable:** GSM 02.53

Company name: BT

Project: **GSM** Title: Transmission of Digital Signals

Country of registration: KR Application no.: 700512/98 Countries applicable: KR **ETSI Deliverable:** GSM 02.53

Company name: BT Project: **GSM**

Title: Voice Activity Detector

Country of registration: 228290 Patent no.: N7

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 for Half Rate GSM Coder

Country of registration: IN

Application no.: 890/MAS/94 (filed 13 Sept. 94) **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: RT Project: **GSM**

Transmission of Digital Signals Title:

Country of registration: JΡ Application no.: 97-506424 Countries applicable: JΡ **ETSI Deliverable:** GSM 02.53

Company name: BT Project: **GSM**

Title: Voice Activity Detector

Country of registration: CA Patent no.: CA 1335003

Countries applicable: CA

BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, Notes: 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: 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: Telecommunications System

Country of registration: CN

Application no.: 95193282.9 **Countries applicable:** CN

ETSI Deliverable: GSM 03.93 and GSM 04.93

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).

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: IN

Application no.: 707/MAS/95

Countries applicable: IN

ETSI Deliverable: GSM 03.93 and GSM 04.93

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

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: BT Project: GSM

Title: Cellular Radio Systems

Country of registration:CAApplication no.:2162730Countries applicable:CA

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

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: Project: **GSM**

Telecommunications System Title:

Country of registration: NO 965034 Application no.: Countries applicable: NO

GSM 03.93 and GSM 04.93 **ETSI Deliverable:**

Company name: вт Project: **GSM**

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 **GSM** Project:

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: BT Project: **GSM**

Title: Telecommunications System

Country of registration: JP Application no.: 96-500498 Countries applicable: JΡ

ETSI Deliverable: GSM 03.93 and GSM 04.93

вт Company name: Project: **GSM**

Title: Cellular Radio Systems

Country of registration: IN Application no.: 422/MAS/94

Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: **GSM** Project:

Title: Telecommunications System

Country of registration: Application no.: 964658 Countries applicable: FΙ

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT 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: ВТ **GSM** Project:

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: **EPO** Patent no.: 761068

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.93 and GSM 04.93 221

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: EPO 761067

Countries applicable: BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: AU
Patent no.: 685280
Countries applicable: AU

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Telecommunications System

Country of registration: KR
Application no.: 706251/96
Countries applicable: KR

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT 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: BT **Project:** GSM

Title: Cellular Radio Systems

Country of registration: PL
Patent no.: 174356
Countries applicable: PL

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: BT Project: GSM

Title: Telecommunications System

Country of registration: FI
Application no.: 964659
Countries applicable: FI

ETSI Deliverable: GSM 03.93 and GSM 04.93

Title: Telecommunications System

Country of registration: IN 708/MAS/95

Countries applicable: IN

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT GSM

Title: Cellular Radio Systems

Country of registration: NZ
Patent no.: 266204
Countries applicable: NZ

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.:** 96-500499

Countries applicable: JP

ETSI Deliverable: GSM 03.93 and GSM 04.93

Company name: BT **Project:** GSM

Title: Cellular Radio Systems

Country of registration: FI
Application no.: 955579
Countries applicable: FI

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company name: ВТ 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**

Transmission of Digital Signals Title:

Country of registration: MX Application no.: 980652 Countries applicable: MX **ETSI Deliverable:** GSM 02.53

Company name: ВТ Project: **GSM**

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: 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: BT Project: **GSM**

Cellular Radio Systems Title:

Country of registration: NO Application no.: 954682 Countries applicable: NO

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: 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

Company name: ВТ Project: **GSM**

Cellular Radio Systems Title:

Country of registration: ΑU Patent no.: 678247 Countries applicable:

ETSI Deliverable: GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69 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:

FR

ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of

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: G5M 02.09, G5M 03.20 and G5M 11.11

CP8 Transac have stated that: all of the

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 which Protects the Secrecy of Confidential Information

Country of registration: FR
Patent no.: 2 389 284

Countries applicable: FR

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11

Notes: CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of

particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and

Non-discriminatory terms and conditions.

Company name: Bull CP8
Project: GSM

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: 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: A Method for Certifying the Origin of at Least One Item of Information Stored in the Memory of a First

Electronic Device and Tra

Country of registration: FR Patent no.: 2 530 053

Countries applicable:

FR ETSI Deliverable:

GSM 02.09, GSM 03.20 and GSM 11.11

CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of Notes:

particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the 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**

- CP8 Ref: 2415 Title:

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**

A Method and System for Transmission of Confidential Data Title:

Country of registration: 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.

Bull CP8 Company name: Project: **GSM**

Data processing System for Protecting the Secrecy of Confidential Information Title:

Country of registration: FR Patent no.: 2 392 447 Countries applicable: FR

ETSI Deliverable: GSM 02.09, GSM 03.20 and GSM 11.11

Notes: CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of

particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and

Non-discriminatory terms and conditions.

Company name: Ericsson Project: **GSM**

Speech coding with improved background noise reproduction Title:

Country of registration: BR Application no.: 9913754/2

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,

Title: Selection of location measurement units for determining the position of a mobile communication station

Country of registration: 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 **GSM** Project:

Title: Signalling supplementary services towards MS in GSM MSC DK

Country of registration: 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 Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

AR 990104639

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: LIS Patent no.: 5724664

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Patent no.:

Notes:

67771

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: SG Patent no.: 44528

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Signalling supplementary services towards MS in GSM MSC Title:

Country of registration: SE Patent no.: 500884

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: 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 GSM Project:

Title: Signalling supplementary services towards MS in GSM MSC

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: Ericsson Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: AU 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,

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:

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**

Signalling supplementary services towards MS in GSM MSC Title:

Country of registration: CN

Application no.:

94101803-2

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: Speech coding with improved background noise reproduction

Country of registration: CA Application no.: 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: Selection of location measurement units for determining the position of a mobile communication station

Country of registration: **PCT**

Application no.: PCT/SE00/01327

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

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** Project:

Title:

Country of registration:

Application no.:

Notes:

Selection of location measurement units for determining the position of a mobile communication station **EPO**

00948432/0

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: Ericsson **GSM** Project:

Title: Restoration of a home location register in a mobile telephone system

Country of registration: US Patent no.: 5561854

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: SE Application no.:

Notes:

9301075-9

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: Ericsson Project: **GSM**

Title: Remote control supplementary service

Country of registration:

Patent no.: 5781858

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Remote control supplementary service

Country of registration: SF 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: Ericsson Project: **GSM**

Title: Remote control supplementary service

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: Regular pulse positioning algorithm

Country of registration: 51903 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: Regular pulse positioning algorithm Country of registration: US

Patent no.: 5193140

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: ΑŪ Patent no.: 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.

Company name: Ericsson Project: **GSM**

Title: Speech encoding including soft adaptability feature

Country of registration: .IP

Application no.: 2000-534999

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Patent no.: 44797

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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,

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: 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: System and Method for Interworking of Wireless Communication Systems with ISDN Networks

Country of registration: Application no.:

CĹ 2993-98

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: GSM Project:

Title: System and Method for Informing Network of Terminal-Based Positioning Method Capabilities

Country of registration: Patent no.:

US 6002936

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 ΙĹ

Country of registration: Application no.:

138324

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 Informing Network of Terminal-Based Positioning Method Capabilities Title:

Country of registration: FPO Application no.: 1062825 Countries applicable: DE, GB, IT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: GSM

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities Title: ĊN

Country of registration:

Application no.: 99805946-3

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: **GSM**

System and Method for Informing Network of Terminal-Based Positioning Method Capabilities Title:

Country of registration: Application no.:

29907/99

AU

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 Adaptive Thresholds for Cell Load Sharing

Country of registration: US Patent no:

6266531

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

00244

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson GSM Project:

Title: Speech encoding including soft adaptability feature

Country of registration: Patent no.:

US 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**

Title: Speech coding with improved background noise reproduction

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,

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: FPO Application no.: 1008141 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: Fricsson Project: **GSM**

Speech encoding including soft adaptability feature Title: CN

Country of registration: Application no.:

Notes:

998036404

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: ZA 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: Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: US Patent no: 6275798

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

88113970

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 **GSM** Project:

Title: Speech coding with improved background noise reproduction

Country of registration:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Project: **GSM**

Speech coding with improved background noise reproduction Title:

Country of registration:

Application no.:

RÜ 2001110168

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.

Fricsson Company name: Project: **GSM**

Title: Speech coding with improved background noise reproduction

Country of registration: Application no.:

MY 9903657

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes:

JP

2000/570769 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: **EPO** Application no.: 1112568 Countries applicable: DE, FI, FR, GB, IT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GSM** Project:

Title: Speech encoding including soft adaptability feature

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,

Title: Method and apparatus for Synchronizing private radio systems

Country of registration: Application no.:

9900706-4

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 GSM Project:

Title: Message area procedure

Country of registration: Patent no.:

US 5621783

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

KR

Application no.:

1998/706382

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 RH

Country of registration: Patent no.:

2160975 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Patent no.:

Notes:

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

5999811

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 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:

AR

Notes:

970103905

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: GSM

Title: Method and apparatus for Synchronizing private radio systems

Country of registration: Application no.: 1763/97

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 apparatus for Synchronizing private radio systems

Country of registration: Application no.:

9749901

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: CH

Patent no.:

GSM 05.98863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 .IP

Country of registration: Application no.:

Notes:

511700

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Patent no.: 5898929

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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 and system for determining position of mobile radio terminals Title:

Country of registration: CA Application no.: 2311717

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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 system for determining position of mobile radio terminals

Country of registration: 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: Ericsson Project: **GSM**

Method and system for determining position of mobile radio terminals Title:

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**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: AU 662225 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**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system 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: Fricsson Project: **GSM**

Method and apparatus for Synchronizing private radio systems Title:

Country of registration: Application no.:

972928

ID

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones US

Country of registration: Patent no.:

5953323

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: GSM 05.97079

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

GB GSM 05.97079

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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: HK Patent no.: 1009666

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 IF

Country of registration:

Patent no.: GSM 05.97079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.: GSM 05.97079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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:

JΡ Country of registration: Patent no.:

3235837 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 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.: 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.

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: 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 Project:

Title: Message area procedure

Country of registration: Patent no.:

SE 9303491-6

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**

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**

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

93130572 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Patent no.:

Notes:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

SA

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,

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: Patent no.:

SG 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 under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.: 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.:

NI-078579

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

US 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: Multiframe synchronization control

KR

Country of registration: Application no.:

HU 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 Project: **GSM**

Means in conjunction with updating one or more HLR databases included in a mobile telephone system Title:

Country of registration: Patent no.:

289375

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 FPO

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: Radio link failure

Country of registration: FR

Patent no.: GSM 05.78810

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: GB

Patent no: GSM 05.78810

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: GR

Patent no.:

GSM 05.78810 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

AR 970103907

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

BR

Country of registration:

Application no.: 9711377

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones CL

Country of registration:

Application no.:

Notes:

1764/97 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: 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.:

CN

1228903

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

EE

P199900076 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Patent no.:

DK GSM 05.78810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

ID

Country of registration:

Application no.:

Notes:

972921

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones Country of registration: IN

Application no.:

Notes:

2276/DFI /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: Ericsson Project: **GSM**

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Title:

Mobile Phones

Country of registration:

Application no.:

JP 511544/98

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 GSM Project:

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration:

Application no.:

Notes:

2000035806

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Company name:

Ericsson **GSM**

Project: Title:

Method & 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,

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: Patent no.:

RU

Notes:

2173031

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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 CO

Country of registration: Application no.:

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:

Fricsson **GSM**

Project: Title:

Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

040121

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

JΡ

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,

Title: Multiframe synchronization control

Country of registration:

Application no.: 10-1999-7003688

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: TW 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: Ericsson Project: **GSM**

Title: Multiframe synchronization control

Country of registration: US Patent no.: 6215798

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 7Δ Patent no.: 97/9449

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Periodic power regulation

Country of registration:

Application no.: 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Periodic power regulation

Country of registration: AU Patent no.: 672628

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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,

Title: Periodic power regulation

EPO

Country of registration:

Application no.: EP-611499

Countries applicable:

BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, 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: **GSM** Title: Radio link failure Country of registration: ES

Patent no.: GSM 05.78810

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: 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: **GSM**

Radio link failure Title:

Country of registration: AT

Patent no.: GSM 05.78810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: ΑU Patent no.: 658489

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: Radio link failure Country of registration: ΒE

Patent no: GSM 05 78810

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: СН

Patent no.: GSM 05.78810

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: DE

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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: DK

Patent no.: GSM 05.97079

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Periodic power regulation

Country of registration: 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: Communication control technique for a radiotelephone system

Country of registration:

Patent no.: 10277558

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: AU 668591 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: Receiver Gain Country of registration: GB

Patent no.: GB 2 233 846

Countries applicable: GB

Ericsson OMC Ltd Notes:

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

Country of registration: Application no.:

CA 2264068

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

AR

Notes:

990104361

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: Application no.:

CA 2123605

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: Fricsson Project: **GSM**

Communication control technique for a radiotelephone system Title:

Country of registration: Patent no.: Notes:

2275589

GB

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Communication control technique for a radiotelephone system

Country of registration: Application no.:

US 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.

Ericsson 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,

Title: A Method for Achieving Optimal Channel Coding in a Communication System

Country of registration: Patent no.:

5757813

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson GSM Project:

Title: Communication control technique for a radiotelephone system

Country of registration: Patent no.:

MX 182383

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GSM** Project:

Title: Communication control technique for a radiotelephone system

Country of registration: 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**

Title: Communication control technique for a radiotelephone system

Country of registration: N7 Patent no.: 256326

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

9401644-1

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,

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.:

SG 52648

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

940490

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: HK Patent no.: 1006623

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: KR

Application no.: 10/2001/7002609

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Improvements in, or relating to, Equalisers

Country of registration: GB

Patent no.: GB 2 215 567

Countries applicable: GB

Notes: Ericsson OMC Ltd

Company name: Ericsson Project: **GSM**

Title: Transmitter Power Control for Radio Telephone System.

Country of registration: GB

Patent no.: GB 2 233 517

Countries applicable: GB

Notes: Ericsson OMC Ltd

Company name: Ericsson Project: **GSM** Power Booster Title: Country of registration: GB GB 2 251 768

Patent no.:

Countries applicable: GB

Ericsson OMC Ltd Notes:

Ericsson Company name: Project: **GSM**

Title: An adaptive criterion for speech coding

Country of registration: ΑIJ

Application no.: PCT/SE99/01350

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

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 **GSM** Project:

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: Ericsson Project: **GSM**

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.

Company name: Ericsson Project: **GSM**

Title: An adaptive criterion for speech coding

.IP Country of registration:

Application no.:

Notes:

2000/568079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

A Method for Achieving Optimal Channel Coding in a Communication System

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: An adaptive criterion for speech coding

Country of registration: MX

Application 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**

Title: An adaptive criterion for speech coding

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: An adaptive criterion for speech coding

Country of registration:

Application no.: 2001108584

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GSM** Project:

Title: An adaptive criterion for speech coding

Country of registration: Application no.:

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 TW

Country of registration: Application no.:

88113965

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: LIS Patent no.: 6192335

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

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: VE Application no.: Notes:

1380

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GSM** Project:

Title: An adaptive criterion for speech coding

Country of registration: **EPO** Application no.: 1114414

Countries applicable: DE, FI, 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: 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: FR 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**

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: GB 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: GR 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**

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: Patent no.: 1003/97

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: IΤ 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: JΡ 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,

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: Communication control technique for a radiotelephone system

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: 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: 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: TW Patent no.: NI-58829

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.: 5327576
Notes: The SIG

n: 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: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: AU **Patent no.:** 660825

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: **GSM**

Title: Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Patent no.:

9305535-8

Ericsson

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **GSM**

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration: Application no.:

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**

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

CN

Patent no.: Notes:

93106542-9

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:

Ericsson **GSM**

Project: Title:

Means in conjunction with updating one or more HLR databases included in a mobile telephone system

Country of registration:

DF GSM 05.97079

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:

Handoff of a mobile station between half rate and full rate channels

Title: Country of registration:

Patent no.: Notes:

180069

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **GSM**

Project: Title:

Encryption system for digital cellular communications

Country of registration:

Patent no.:

NZ 238651

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Ericsson **GSM**

Project: Title:

Encryption system for digital cellular communications

Country of registration:

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,

Title: Encryption system for digital cellular communications

Country of registration: BR

Patent no.: PI9106663-8

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: Encryption system for digital cellular communications

Country of registration: Patent no.:

CA 2087616

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Patent no.: ZL91105013-2

Notes: The SIGNATORY has notified ETSI 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: 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 **Project:** 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
Project: GSM

Title: Encryption system for digital cellular communications

Country of registration: JP
Patent no.: 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
Project: GSM

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: ES 2101736

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Encryption system for digital cellular communications

Country of registration: MX Patent no.: MX 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: 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: Encryption system for digital cellular communications

Country of registration: PK 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: Ericsson GSM

Title: Encryption system for digital cellular communications

Country of registration: SG 9491780-4

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:** GSM

Title: Encryption system for digital cellular communications

Country of registration: TW 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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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
Patent no.: 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: Ericsson
Project: GSM

Title: Encryption system for digital cellular communications

Country of registration: VE 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,

Title: Handoff of a mobile station between half rate and full rate channels

Country of registration: Patent no.:

8261991

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Handoff of a mobile station between half rate and full rate channels

Country of registration: Application no.:

CA 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**

Title: Method and apparatus for communication control in a radiotelephone system

Country of registration: Patent no.:

US 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 Project: **GSM**

Title: Encryption system for digital cellular communications

Country of registration: KR Patent no.: 214763

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.: 1008141

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,

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: 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.

Company name: Ericsson Project: **GSM**

Title: Radio link failure

Country of registration: SE

Patent no: 9200336-7

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,

Title: Radio link failure
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: Radio link failure
Country of registration: UA

Patent no.: 0A 32528

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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
Project: GSM

Title: Radio link failure

Country of registration: US
Patent no.: 5487071

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: AU **Application no.:** 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

Title: Reducing sparseness in coded speech signals

Country of registration:

Application no.: PCT/SE98/01515

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
Project: GSM

Title: Providing caller ID within a mobile telecommunications network

Country of registration: CA
Application no.: 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

Title: Reducing sparseness in coded speech signals

Country of registration: CN

Application no.: 98808782/0

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: Radio link failure Country of registration: MY

Patent no.: 109080-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,

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.: PCT/SE98/01515

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: JΡ

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,

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: KR

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: Reducing sparseness in coded speech signals

Country of registration:

Application no.: 2000001837

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 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: 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,

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: Reducing sparseness in coded speech signals

Country of registration: Application no.:

CA 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: 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 **GSM** Project:

Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular Title:

Mobile Phones

Country of registration:

Application no.:

1999/00407

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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

Pop-subscription based mobile station idle mode cell selection Title:

Country of registration: CN Application no.:

98804904-X

CO

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: GSM

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: EE

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,

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.: 965244

Countries applicable: Notes:

BE, DE, ES, FI, FR, IT, SE, UK

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with 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: HK

Application no.:

00107541-9

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: **GSM**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration:

Application no.:

593/DEL/98

IN

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: NO Patent no.: 308979

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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**

Pop-subscription based mobile station idle mode cell selection Title:

Country of registration: KR

Application no.:

Notes:

10-1999-7008079

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: GSM

Title: Radio link failure

Country of registration: NL

Patent no.: GSM 05.78810

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: TR

Application no.: 1999/02478

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Ericsson **GSM** Project: Title: Radio link failure HK

Country of registration:

Patent no.: GSM 05.78810

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Patent no.:

ID ID0002167

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: IT

Patent no.:

GSM 05.78810 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

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 Project: **GSM** Radio link failure Title:

Country of registration: IU

GSM 05.78810 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: 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,

Company name: Ericsson GSM

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: 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.

Company name: Ericsson
Project: GSM

Title: Regular pulse positioning algorithm

Country of registration:
Patent no.:

NL 397628

Patent no.: 3976 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: GB
Patent no.: GB
0397628

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: HK 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: Ericsson **Project:** GSM

Title: Regular pulse positioning algorithm

Country of registration: Patent no.:

Patent no.: 66681 Notes: The S

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: IT
Patent no.: 397628

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: JP 3054438

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Regular pulse positioning algorithm

Country of registration: KR
Patent no.: 095842

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: KW

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: Providing caller ID within a mobile telecommunications network

Country of registration: Bi

Application no.: PI9711920-2

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 GSM

Title: Regular pulse positioning algorithm

Country of registration: 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,

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: ES
Patent no.: 2060132

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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 Project: GSM

Title: Regular pulse positioning algorithm

Country of registration: NZ
Patent no.: 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,

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: PH 27161

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: 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 Project: **GSM**

Title: Regular pulse positioning algorithm

Country of registration: Application no.:

SA 90110060

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 SE

Country of registration: Patent no.:

8901697-6

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: **GSM**

Title: Regular pulse positioning algorithm

Country of registration: SG Patent no.: 1633

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Regular pulse positioning algorithm

Country of registration: Application no.:

10822

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: MX 177887 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: Regular pulse positioning algorithm

Country of registration: ΑE 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,

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**

Title: Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

990859

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Patent no.:

GB 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: Ericsson Project: **GSM**

Title: Providing caller ID within a mobile telecommunications network .IP

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**

Title: Providing caller ID within a mobile telecommunications network

Country of registration: Application no.:

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.

Company name: Ericsson Project: **GSM**

Title: Reducing sparseness in coded speech signals

Country of registration: SG

PCT/SE98/01515 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: Reducing sparseness in coded speech signals

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,

Title: Regular pulse positioning algorithm

Country of registration: FR 397628

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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,

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: FI
Patent no.: 101753

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: AU Patent no.: 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.

Company name: Ericsson **Project:** GSM

Title: Regular pulse positioning algorithm

Country of registration: BR 9006761

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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,

Company name: Ericsson GSM

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: Ericsson GSM

Title: Regular pulse positioning algorithm

Country of registration: Patent no.:

DE 69012419

Patent no.: 69012419
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: Regular pulse positioning algorithm

Country of registration: DK 397628

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: ALJ

Country of registration: Application no.:

64276/98

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: Reducing sparseness in coded speech signals

Country of registration: Patent no.:

US

Patent no.:

Notes:

6029125

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: NZ
Patent no.: NZ
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: Method for a mobile tele system when assigning a traffic channel

Country of registration: ES

Patent no.: GSM 05.98863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Application no.:

935619

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

FR

Patent no.: Notes:

GSM 05.98863

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **GSM** Project:

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: GB

Patent no.: GSM 05.98863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: GR

Patent no.: GSM 05.98863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.:

HK1001947 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: IT

GSM 05.98863 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 for analyzing subscriber data received from an HLR in GSM MSC/VLR

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,

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration:

Patent no.: GSM 05.98863

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

HK 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 for a mobile tele system when assigning a traffic channel

Country of registration: SE Patent no.: 9201227-7

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: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: T\// Patent no.: NI-072935

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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.: 667601 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: **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

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

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 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**

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.:

CL 504-98

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: Method for a mobile tele system when assigning a traffic channel

Country of registration: LU

Patent no.: GSM 05.98863

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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:

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical Title:

Areas CA

720872

Country of registration: Application no.: 2274138

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset Title:

Country of registration: Patent no.: Notes:

ΑU

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

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: **GSM**

Title: Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration: CN 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,

Title: Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration: Application no.: 897647

Countries applicable:

Notes:

BE, DE, FI, FR, GB, IT, SE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Country of registration:

Application no.:

Notes:

GSM

Method and Apparatus for Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

1998/708714

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 Over-the-Air Activation of a Multiple Mode/Band Radiotelephone Handset

Country of registration: TW Patent no.: 319935

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: GSM

Method for a mobile tele system when assigning a traffic channel Title:

Country of registration: DK

Patent no.:

GSM 05.98863

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 BR

Country of registration:

Application no.: Notes:

PI9713870-3

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 Project: **GSM**

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: DF Patent no.:

69313077

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: **GSM**

Title: Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

> Areas GB

Ericsson

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

Project: **GSM**

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical Title:

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**

Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical Title:

> Areas US

Country of registration:

Patent no.:

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: Fricsson Project: **GSM**

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards Title:

Country of registration: Patent no.:

ΑU 718104

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration: Application no.:

PI9707443-8

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**

Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards Title:

Country of registration: CN

97192319-1 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,

Title: Method and Apparatus for Roaming Using Dual Mode/Band Equipment Including SIM Cards

Country of registration:

Application no.: 876736

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: 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: Ericsson Project: **GSM**

Title: Method and Apparatus for Restricting Operation of Cellular Telephones to Well Delineated Geographical

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**

Multiframe synchronization control Title:

Country of registration: **EPO** Application no.: 93586

Countries applicable: DE, FI, FR, GB, IT, NL

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Method for encryption of information

Country of registration:

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

Title: Method for encryption of information

Country of registration: NZ 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.

Company name: Ericsson Project: **GSM**

Title: Method for encryption of information

Country of registration: RU Patent no.:

2173505

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: 9503343-7

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 for encryption of information

Country of registration: US 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: Ericsson **GSM** Project:

Title: Method for encryption of information

Country of registration: Application no.:

US 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Multiframe synchronization control AU

Country of registration: 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 Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

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.

Ericsson Company name: Project: **GSM**

Title: Multiframe synchronization control

Country of registration: CA 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: Ericsson Project: **GSM**

Title: Method for encryption of information

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.

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: Ericsson **GSM** Project:

Title: Periodic power regulation

Country of registration: Application no.:

JΡ 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Periodic power regulation ΝZ

Country of registration: Patent no.:

255617

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: Periodic power regulation RH

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 Project: **GSM**

Title: Periodic power regulation

Country of registration:

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Periodic power regulation

Country of registration: Patent no.:

US 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.

Company name: Ericsson **GSM** Project:

Title: Pop-subscription based mobile station idle mode cell selection

Country of registration: Application no.: 01031

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: PI9712478-8

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: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

RU Country of registration: Patent no.:

2121227 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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,

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: GR 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: Ericsson Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration:

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**

Method for analyzing subscriber data received from an HLR in GSM MSC/VLR Title:

Country of registration: IΤ 0619932 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 for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: JΡ Application no.: 510960

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.: 212937

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: MX Patent no.: 182882

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: JΡ Application no.:

513340/97

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 Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: N₇ Patent no.: 257421

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: GSM

Title: Method for encryption of information

Country of registration: Application no.: 872078

Countries applicable: DE, DK, ES, FI, FR, GB, IT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: GSM

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

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 Project: **GSM**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: SG 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,

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR

Country of registration: Application no.:

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**

Title: Method for analyzing subscriber data received from an HLR in GSM MSC/VLR TW

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 **GSM** Project:

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 encryption of information

Country of registration: ΔΠ Patent no.: 712649

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **GSM**

Title: Method for encryption of information

Country of registration: Application no.:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: TR 24559 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 for analyzing subscriber data received from an HLR in GSM MSC/VLR

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,

277

Company name: Ericsson Project: **GSM**

Title: Method & Apparatus for Adapting Non-Cellular Private Radio Systems to be Compatible with Cellular

Mobile Phones

ΑU Country of registration: Patent no.:

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: Gemplus Project: GSM

Procédé, carte à puce et terminaux pour effectuer des transactions à travers un réseau de Title:

télécommunication.

Country of registration: FR

Application no.: FR9714578 **ETSI Deliverable:** GSM 11.14

In accordance with the ETSI IPR Policy, Article 4.1, GEMPLUS inform ETSI that, in relation to Work Item Notes:

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)

JΡ Countries applicable: Notes:

Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company name: Innovatron Project: **GSM**

Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices

Country of registration: GB

Application no.: 32 293/79 (23/01/79) 2 036 435 (03.11.82) Patent no.:

Countries applicable: GB

Code: SCLIF. Expiry date: 23/01/1999. Final grant secured. Notes:

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** Country of registration: DF

Application no.: 29 54 742.0 (09/03/93)

Countries applicable: DF

Notes: Code: SCLIF2. Expiry Date: 23/01/1999. Examination in progress.

Company name: Innovatron Project: **GSM** Country of registration: DF

Application no.: 29 33 191.7 (20/09/79) Patent no.: 29 33 191 (06.02.92)

Countries applicable:

Notes: Code: SCLIF1. Expiry date: 23/01/1999. Final grant secured after opposition.

Company name: Innovatron Project: **GSM** Country of registration: US

Application no.: 169 114 (17/09/79) Patent no.: 4 494 464 (13.09.83)

Countries applicable: US

Code SCLIF. Expiry date: 13/09/2000. Final grant secured. Notes:

Company name: Innovatron Project: **GSM**

Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices

Country of registration:

Application no.: 78-01876 (24/01/78) Patent no.: 2 415 378 (16/07/82)

Countries applicable:

Notes: Code: SCLIF. Expiry date: 24/01/1998. Final grant secured.

Company name: Innovatron Project: **GSM** Country of registration: SE Application no.: 79 07774-9 Patent no.: 431 687

Countries applicable: SE

Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

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: Patent no.: FI105624 Countries applicable: FΙ

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: KPN GSM Project:

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: **EPO** Patent no.: FP0475520

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE **ETSI Deliverable:** ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: KPN Project: **GSM**

Method for coding an analog signal having a repetitive nature and a device for coding by said method Title:

Country of registration: CA

Patent no.: CA2050979

Countries applicable: CA

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **KPN** GSM Project:

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: US US5528629 Patent no.:

Countries applicable: US

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

KPN Company name: **GSM** Project:

Method for coding an analog signal having a repetitive nature and a device for coding by said method Title:

Country of registration: PT Patent no.: PT98900 Countries applicable: PT

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: KPN Project: GSM

Title: Method for coding an analog signal having a repetitive nature and a device for coding by said method

Country of registration: NO

Patent no.: NO302549 NO

Countries applicable:

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **KPN 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

Countries applicable: JP

ETSI Deliverable: ETS 300 581-2; ETS 300 726; TS 26.090 V3.1.0

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Libertel Groep B.V.

GSM Project:

Title: **Number Portability**

Country of registration: NL Application no.: 1006862 Patent no.: 1006862 Countries applicable: NL **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: **GSM**

Country of registration: **PCT**

Application no.: PCT/NL98/00480 Pending Patent no.: **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: GSM

Title: Automatic Telephone Number Dialler

Country of registration: **EPO**

Published A1-0 075 120 Patent no.:

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: **GSM**

Automatic Telephone Number Dialler Title:

Country of registration: СН 6127/81 Application no.: Countries applicable:

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: 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.: 93 870 Countries applicable: PT

ETSI Deliverable: GSM 04.08, V 05.10

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: CA
Application no.: 2 015 237
Countries applicable: CA

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: EPO 0398773 B1

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: IE
Application no.: 65 521
Countries applicable: IE

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
Application no.: 1 986 761
Countries applicable: JP

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: FR
Application no.: 89 05 469
Countries applicable: FR

ETSI Deliverable: GSM 04.08 and 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: FI 90 2080

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: FR
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:
Application no.:
Countries applicable:
US
US

ETSI Deliverable: GSM 04.08, V 05.10

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 de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et

applications

Country of registration: AU
Application no.: 622 543
Countries applicable: AU

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

Country of registration: FR
Application no.: 90 10 485
Countries applicable: FR

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: FI
Application no.: 91 03 903
Countries applicable: FI

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: AU
Application no.: 638 160
Countries applicable: AU

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 n: NO

Country of registration: NO
Application no.: 90 18 15
Countries applicable: NO

ETSI Deliverable: GSM 04.08, V 05.10

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: 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: 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: 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

Project: GSM

Title: Method and Apparatus for Handoff of in Call Pogress

Country of registration: SG
Patent no: SG 606/

Patent no.: SG 606/64
Countries applicable: SI

Countries applicable: SI 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:

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: 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: Control Device for Radio Communication Apparatus

Country of registration: CA
Patent no.: CA CA 2 038 645
Countries applicable: CA

ETSI Deliverable: GSM 05 series
Notes: TDMA Timing Control

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: DE, FR, GB, SE
ETSI Deliverable: GSM 05 series

ETSI Deliverable: GSM 05 series TDMA Timing Control

Company name: Mitsubishi Electric Corporation

Project: GSM

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 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: Method and Apparatus for Handoff of in Call Pogress

Country of registration: SI

Patent no.: Published SE 8 801 191

Countries applicable: SE

ETSI Deliverable: GSM 03.09 and 05.08

Title: TDM Communication System Efficient Spectrum Utilization

Country of registration: DK
Application no.: 6161/87
Countries applicable: DK
ETSI Deliverable: 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: GB
Application no.: 9420077.1
Countries applicable: GB
ETSI Deliverable: GSM 06.20

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

Patent no.: Published A2-0 318 686

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: Cellular Radio Telephone with Dropped Call Protection

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 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

Company name: Motorola Project: GSM

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: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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: Data Signalling System

Country of registration: EPO
Patent no.: EP 0 116 577

Countries applicable: CH, DE, FR, GB, LI, NL, SE

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: Selective System Scan for Multibone Radiotelephone Subscriber Units

Country of registration: IE
Application no.: 2029/89
Countries applicable: IE

Company name: Motorola Project: GSM

Title: Cellular Voice & Data Telephone System

Country of registration: DK
Application no.: 859/86
Countries applicable: DK

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: General Purpose Data Control System

Country of registration: DK

Patent no.: Published 129 884

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: Vector Quantizer Method and Application

Country of registration: GB **Patent no.:** 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: GSM

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: FI
Patent no.: FI105292

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 Apparatus

Country of registration:SEApplication no.:9404086Countries applicable:SEETSI 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

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: 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: 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: Colocated Cellular Radiotelephone Systems

Country of registration:EPOApplication no.:88306565.8Countries applicable:EPOETSI Deliverable:ETR 314

Notes: Applies broadly to GSM.

Company name: Motorola Project: GSM

Title: Vector Quantizer Method and Apparatus

Country of registration:GBApplication no.:9420077.1Countries applicable:GB

Company name: Motorola Project: GSM

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, IT, LU, NL, SE **ETSI Deliverable:** GSM 03.02

On the second se

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: 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

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.: 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

Title: Vector Quantizer Method and Application

Country of registration: FR

Patent no.: FR9410202

Countries applicable:

ETSI Deliverable: GSM 06.20; EN 300 969

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: Motorola Project: **GSM**

Title: Digital Speech Coder Having Improved Long Term Predictor

Country of registration: **EPO** Patent no.: EP0450064

AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE Countries applicable:

ETSI Deliverable: EN 300 969; EN 300 726; EN 301 704

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 P4447647 Patent no.: Countries applicable: DE

ETSI Deliverable: GSM 06.20; EN 300 969

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Packet Switched Cellular Telephone System Title:

Country of registration: FPO

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**

Title: Digital Speech Coder Having Improved Vector Excitation Source

Country of registration: EPO

EP0372008B Patent no.:

AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE Countries applicable:

ETSI Deliverable: GSM 06.20; EN 300 969

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Colocated Cellular Radiotelephone Systems

Country of registration: **EPO**

EP0595786

Patent no.: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE Countries applicable:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **GSM**

Title: Digital Radio Communication System and Two-Way Radio

Country of registration: **EPO** Application no.: 90 906636.7 Countries applicable:

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: Selective Call Paging and Priority Signalling System

Country of registration: **EPO**

EP B1 0115 499 Patent no.: Countries applicable: FR. GB. NL. SE GSM 04.08 **ETSI Deliverable:**

Title: General Purpose Data Control System

Country of registration: EPO

Patent no.: EP B1 0115 507

Countries applicable: CH, DE, FR, GB, LI, NL, SE

ETSI Deliverable: GSM 04.08

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 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 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: 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: Cellular Radio Telephone with Dropped Call Protection

Country of registration: F

Patent no.: Published 88 5520

Countries applicable: FI GSM 04.08

Company name: Motorola Project: GSM

Title: Two-way personal message with extended coverage

Country of registration: DE

Patent no.:

Countries applicable:

ETSI Deliverable:

P. 3 382 107.0

DE

GSM 03.02

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: 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.

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 GSM 05.08 **ETSI Deliverable:**

Company name: Motorola Project: **GSM**

Title: Selective Call Paging and Priority Signalling System

Country of registration: Patent no: P 3 382 094.5 Countries applicable: DE **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Title: Vector Quantizer Method and Apparatus

Country of registration: DE Application no.: P 4492048.2 Countries applicable: DE **ETSI Deliverable:** GSM 06.20

Motorola Company name: Project: **GSM**

Title: Vector Quantizer Method and Apparatus

Country of registration: FR Published 2709387 Patent no.: Countries applicable: FR

ETSI Deliverable: GSM 06.20

Company name: Motorola Project: GSM

Vector Quantizer Method and Apparatus Title:

Country of registration: Published 2709366 Patent no.:

Countries applicable: FR

ETSI Deliverable: GSM 06.20 Company name: Motorola

Vector Quantizer Method and Apparatus

Project: **GSM** Title: Country of registration: FR

Patent no.: Published 2706064

Countries applicable: ETSI Deliverable: GSM 06.20

Motorola Company name: Project: **GSM**

Title: Radio Arrangement having Two Radios Sharing Circuitry FΙ

Country of registration: Application no.: 89 2678 Countries applicable: FΙ

Notes: Applies broadly to GSM.

Company name: Motorola Project: **GSM**

Title: Clock Rate Matching in Independent Networks

Country of registration: Patent no.: 9202058 Countries applicable: FR

Applies broadly to GSM. Notes:

Company name: Motorola Project:

TDM Communication System Efficient Spectrum Utilization Title:

Country of registration: **EPO**

Published B1 0261 112 Patent no.:

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

ETSI Deliverable: GSM 05.01 Company name: Motorola Project: GSM

Title: Packet Switched Cellular Telephone System

Country of registration: FI

Patent no.: Published 8 901 276

Countries applicable: FI GSM 05.08

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: General Purpose Data Control System

Country of registration: GB
Application no.: 9422823.6
Countries applicable: GB
ETSI Deliverable: GSM 06.20

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: 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: TDMA Communication System with Adaptative Equalization

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: 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: 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: 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, FR, GB, IT, LI, LU, NL, SE

ETSI Deliverable: GSM 05.08

Company name: Motorola Project: **GSM**

Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder

Country of registration:

Patent no.: **Published 9401450**

Countries applicable: FR **ETSI Deliverable:** GSM 06.20

Company name: Motorola

Project: Title: Digital radio communication system and two-way radio

Country of registration:

PCT/US 90/01829 Application no.:

Countries applicable: NO

Applies broadly to GSM. Notes:

Company name: Motorola Project: **GSM**

Title: General Purpose Data Control System

GSM

NO Country of registration: Patent no.: 173 799 Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Title: Selective System Scan for Multizone Radiotelephone Subscriber Units

Country of registration: **EPO**

Patent no.: Published A2-0 352 786

AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL Countries applicable:

Notes: Applies broadly to GSM.

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: Data Signalling System

Country of registration: NO 169 415 Patent no.: 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 Patent no.: 168 079 Countries applicable: NO **ETSI Deliverable:** GSM 04.08

Company name: Motorola Project: **GSM**

Title: Digital Speech Coding having improved Vector Excitation Source

Country of registration: NŎ Application no.: 893202 Countries applicable: NO **ETSI Deliverable:** GSM 06.20.

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**

TDM Communication System Efficient Spectrum Utilization Title:

Country of registration: NO Application no.: 874685 Countries applicable: NO **ETSI Deliverable:** GSM 05.01 Company name: Motorola Project: GSM

Title: General Purpose Data Control System

Country of registration: IT

Patent no.: 1 168 620 Countries applicable: IT ETSI Deliverable: GSM 04.08

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 Project: GSM

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: TDM Communication System Efficient Spectrum Utilization

Country of registration: FI
Patent no.: 86 122
Countries applicable: FI
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: 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: Digital Speech Coding having improved Vector Excitation Source

Country of registration: FI
Application no.: 894151
Countries applicable: FI
ETSI Deliverable: GSM 06.20

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: NEC Corporation
Project: GSM
Title: Speech Coder
Country of registration: US

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: **NEC Corporation**

Project: **GSM**

Title: Speech Parameter Coding Method and Apparatus

Country of registration: EPO Application no.: 92103179 Patent no.: GSM 05.04 627 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** Speech Coder Title: Country of registration: EPO Application no.: 91102440.4 Countries applicable: DE, FR, GB **ETSI Deliverable:**

Relevant to ETS 300 581-2 "European digital cellular telecommunications system; Half rate speech. Part Notes:

2: Half rate speech transcoding"

Company name: **NEC Corporation**

Project: **GSM**

Title: Method and Apparatus for Encoding Voice Signals

GSM 06.20

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: **GSM**

Title: Digital cellular telecommunications system (Phase 2); Radio subsystem synchronization

Country of registration:

Patent no.: 0.318.033 Countries applicable: DE, GB, SE

ETSI Deliverable:

ETS 300 579 (GSM 05.10, V4.9.0) Notes:

This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITU (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:

Title: Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS)

interface; Data Link (DL) layer specification"

General Manager IP, Division NEC Corporation).

Country of registration:

Patent no.: Re. 36,309

Countries applicable: US

ETSI Deliverable:

ETS 300 938 (GSM 04.06, V5.2.1)

Notes:

This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) of Sophia Antipolis France. The SIGNATORY notifies ETSI that it is the proprietor of the IPR listed in Annex I (the IPR) and informs ETSI that it believes that the IPR may be considered ESSENTIAL to the standards listed in Annex II (the STANDARD). The SIGNATORY hereby declares that it is prepared to grant irrevocable licenses under the IPR on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, set out in Annex III, in respect of the STANDARD, to the extent that the IPR remains ESSENTIAL. The construction, validity and performance of this DECLARATION shall be governed by the laws of France. Signed for and on behalf of the SIGNATORY (Naoki Kyomoto,

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: 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: GSM

Title: Telecommunications system

Country of registration: DE

Application no.: 19546577.6 ETSI Deliverable: GSM 05.02

Company name: Nokia Project: SSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: PCT

Application no.: PCT/FI95/00390
Patent no.: WO 9602091
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: FI
Application no.: FI 943302
Patent no.: FI 96650
ETSI Deliverable: GSM 05.03

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: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

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

System

Country of registration:
Application no.:
Application no.:
AU 24104/95
AU 682112

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia Project: GSM

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: GSM

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

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system

 Country of registration:
 PCT

 Application no.:
 PCT/FI95/00249

 Patent no.:
 WO 9531879

 ETSI Deliverable:
 GSM 05.02, GSM 05.08

Company name: Nokia Project: GSM

Country of registration:

Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications

system FI FI 942191

Application no.: FI 942191
Patent no.: FI 96468

ETSI Deliverable: GSM 05.02, GSM 05.08

Company name: Nokia **Project:** SSM

Title: Telecommunications system

Country of registration: FI
Application no.: 950419
Patent no.: FI 99066
ETSI Deliverable: GSM 05.02

Company name: Nokia Project: SSM

Title: Telecommunications system

Country of registration: SE

Application no.: 9504541-5 **ETSI Deliverable:** GSM 05.02

Company name: Nokia **Project:** SSM

Title: Telecommunications system

Country of registration:GBApplication no.:9525966.9ETSI Deliverable:GSM 05.02

Company name: Nokia Project: GSM

Title: Telecommunications system

Country of registration:FRApplication no.:9514959Patent no.:FR 2730117ETSI Deliverable:GSM 05.02

Company name: Nokia Project: GSM

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: Depth-first algebraic-codebook search for fast coding of speech DE

Country of registration: DE 19609170.5

Application no.: 19609170.5

ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Telecommunications system

Country of registration: PCT

 Application no.:
 PCT/Fl95/00687

 Patent no.:
 WO 9624200

 ETSI Deliverable:
 GSM 05.02

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

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 EP 804844 Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.60

Company name: Nokia Project: **GSM**

Predictive split-matrix quantization of spectral parameters for efficient coding of speech Title:

Country of registration: PCT Application no.:

PCT/CA96/00202 Patent no.: WO 9631873 GSM 6.60 **ETSI Deliverable:**

Company name: Nokia Project: **GSM**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ZA Application no.: 96/1913 ZA 96/1913 Patent no.: **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: PCT

Application no.: PCT/CA96/00135 WO 9628810 Patent no.: **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: SE Application no.: 9600918-8 **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

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: **GSM**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: FR Application no.: 9602957 **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech PČT Country of registration:

Application no.: PCT/CA96/00069 Patent no.: WO 9624925 **ETSI Deliverable:** GSM 6.60

Company name: Nokia **GSM** Project:

Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech

Country of registration: ΖĀ Application no.: 96/0852 ZA 96/0852 Patent no.: **ETSI Deliverable:** GSM 6.60

Company name: Nokia Project: **GSM**

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: **PCT**

Application no.: PCT/FI95/00673 WO 9618248 Patent no.: **ETSI Deliverable:** GSM 04.21

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 1960

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: AU 9644796
GSM 6.60

Company name: Nokia
Project: GSM

Title: Vector adaptive predictive coder for speech and audio

Country of registration: US

Application no.: 35615

Patent no.: US 4969192

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

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:** SSM

Title: Vector adaptive predictive coder for speech and audio

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
Patent no.: US 5444816
ETSI Deliverable: GSM 6.60

Company name: Nokia Project: SSM

Title: Telecommunications system

Country of registration:AUApplication no.:42618/96ETSI Deliverable:GSM 05.02

Company name: Nokia Project: GSM

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: FI
Application no.: FI 944488
Patent no.: FI 96558
Countries applicable: FI
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: 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: SSM

Title: Facsimile Transmission In A Mobile Communication System

Country of registration: PCT

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: FI

Application no.: FI 951020
Patent no.: FI 100213
Countries applicable: FI
ETSI Deliverable: GSM 03.45

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: GSM

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: GSM

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: FI
Application no.: FI 951019
Patent no.: FI 100212
Countries applicable: FI
ETSI Deliverable: GSM 04.21

Company name: Nokia Project: GSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: AU

 Application no.:
 AU 43928/96

 Patent no.:
 AU 9643928

 ETSI Deliverable:
 GSM 03.60

Company name: Nokia Project: GSM

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration: PCT

Application no.: PCT/Fl96/00019
Patent no.: WO 9621983
ETSI Deliverable: GSM 03.60

Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet

Radio Networks

Country of registration:

Application no.: FI 950116 FI 98586 Patent no.: Countries applicable: FΙ **ETSI Deliverable:** GSM 03.60

Company name: Nokia Project: **GSM**

High-Speed Data Transmission In Mobile Communication Networks Title:

Country of registration: PCT Application no.:

PCT/FI96/00134 Patent no.: WO 9627959 GSM 04.21 **ETSI Deliverable:**

Company name: Nokia Project: **GSM**

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 **GSM** Project:

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: ΑU Application no.: AU 56506/96 AU 9656506 Patent no.: **ETSI Deliverable:** GSM 04.22

Company name: Nokia Project: **GSM**

Data Transmission Method In A TDMA Mobile Communication System Title:

Country of registration: **EPO** Application no.: EP 95932031 Patent no.: EP 783826

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: GSM 03.34

Company name: Nokia Project: **GSM**

Title: Data Transmission Method In A TDMA Mobile Communication System

Country of registration: ΑU ALI 35239/95 Application no.:

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: 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:

Country of registration: FΙ Application no.: FI 944487 Patent no.: FI 96557 **ETSI Deliverable:** GSM 03.34

Company name: Nokia Project: **GSM**

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: **EPO**

Application no.: EP 95915211.7 EP 754395 Patent no.:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE Countries applicable:

ETSI Deliverable:

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: Location updating for a packet-switched data service in a mobile communication system

Country of registration: PCT

 Application no.:
 PCT/FI95/00191

 Patent no.:
 WO 9528063

 ETSI Deliverable:
 GSM 03.60

Company name: Nokia Project: GSM

Title: Location updating for a packet-switched data service in a mobile communication system

Country of registration: FI

Application no.: FI 941652 Patent no.: FI 95984 ETSI Deliverable: GSM 03.60

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

Company name: Nokia
Project: GSM
Country of registration: CA
Application no.: 010 830

Countries applicable: CA
Notes: No

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: GB
Application no.: GB 9512284

Countries applicable: GB

Notes: GB

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: 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

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

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: GSM

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: Dynamic codebook for efficient speech coding based on algebraic codes

Country of registration:CÁApplication no.:2010830Patent no.:CA 2010830ETSI Deliverable:GSM 6.60

Company name: Nokia Project: GSM

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: EPO 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

Company name: Nokia Project: SSM

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

Title: High-Speed Data Transmission In Mobile Communication Networks

Country of registration: AU

Application no.:

Patent no.:

ETSI Deliverable:

AU 41186/96
AU 9641186
GSM 04.21

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: AT, CH, DE, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 03.64

Company name: Nokia Project: SSM

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

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: GB

 Application no.:
 88306554.2

 Patent no.:
 GB 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: FR

 Application no.:
 88306554.2

 Patent no.:
 FR 0301740

 ETSI Deliverable:
 GSM 02.22

Company name: Nokia Project: SSM

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: FI

Application no.: FI 952256
Patent no.: FI 98174
Countries applicable: FI
ETSI Deliverable: GSM 04.22

Company name: Nokia Project: SSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: EPO
Application no.: 88306554.2
Patent no.: EP 0301740

Countries applicable: AT, BE, CH, ES, GR, LI, LU, NL

ETSI Deliverable: GSM 02.22

Company name: Nokia **Project:** SSM

Title: Data Transmission System With Sliding-Window Data Flow Control

Country of registration: PCT
Application no.: PCT/FI96/00260
Patent no.: WO 9636154

Patent no.: WO 9636154
ETSI Deliverable: GSM 04.22

Company name: Nokia Project: GSM

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: DI

 Application no.:
 88306554.2

 Patent no.:
 DE 3889800.4

 ETSI Deliverable:
 GSM 02.22

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: GSM

Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface

Country of registration: AU
Application no.: 17857/95
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:USApplication no.:221079Patent no.:US 4868846ETSI 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

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: NO
Application no.: 88.3330
Patent no.: NO 173679
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: JP

Application no.:187037/1988ETSI 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: IT

 Application no.:
 88306554.2

 Patent no.:
 IT 0301740

 ETSI Deliverable:
 GSM 02.22

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: 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: Method for locking to the user's card in a portable radio telephone

Country of registration: FI
Application no.: 873309
Patent no.: FI 77550
ETSI Deliverable: GSM 02.22

Company name: Nokia **Project:** GSM

Title: Method And Apparatus For Speech Transmission In A Mobile Communications System

Country of registration: NO NO 960979
Patent no.: NO 9600979
ETSI Deliverable: GSM 05.03

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: SE
Application no.: 9602230-6
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

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: MX Application no.: 9710357 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a Title:

speech encoder and the transceiver

Country of registration: JΡ

Application no.: 9-504848 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver

Country of registration:

Application no.: MI96A/001200 Patent no.: 1283133

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Application no.:

PI9608734-0

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: **GSM**

Method and apparatus for detecting hangover periods in a TDMA wireless communication system using Title:

discontinuous transmission SF

Country of registration:

Application no.: Notes:

9602230-6

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: **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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 defining transmission power in a mobile station

Country of registration: Application no.:

98120252

RU

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.:

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.

Nokia Corporation Company name:

Project: **GSM**

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission MX

Country of registration: Application no.:

9710357

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

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**

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: CN

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,

Project:

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: GB

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

GSM Project:

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: KR Application no.: 707574 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Method and apparatus for detecting hangover periods in a TDMA wireless communication system using Title:

discontinuous transmission

Country of registration:

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:

Method and arrangement for defining transmission power in a mobile station 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: **GSM**

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: Application no.:

ΑU 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**

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: 9804390-0 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 and arrangement for defining transmission power in a mobile station

Country of registration: CH Application no.: 2114/98

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: **GSM**

Title: Method and arrangement for defining transmission power in a mobile station

Country of registration: CN

Application no.: 98123845.9

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 and arrangement for defining transmission power in a mobile station

Country of registration: DE

19847678.7

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:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a Title:

speech encoder and the transceiver

Country of registration: US

Application no.: 08/672932 Patent no.: 5835889

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 defining transmission power in a mobile station Title:

Country of registration: FΙ Application no.: 974144 Patent no.: 106665

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 09/185687

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB

Application no.: 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,

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: Method and arrangement for defining transmission power in a mobile station

Country of registration:

Application no.: MI98A002375

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ

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: NI

Application no.: 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 apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: FS 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,

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 SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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 SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: IN

Application no.: 1054/MAS/96

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: BT

Application no.: PI9608734-0

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: AU
Application no.: 62260
Retent no.: 701220

Patent no.: 701220 ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AT
Application no.: A935/96
Patent no.: 405346

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 953252
Patent no.: -

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US
Application no.: 662991
Patent no.: 5946651
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name:

Nokia Corporation

Project:

GSM

Title:

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

Project: Title:

GSM SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: Application no.:

.IP 9-502809

Patent no.: **ETSI Deliverable:**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Nokia Corporation

Project:

GSM

Title:

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a

speech encoder and the transceiver ĎΕ

Country of registration:

19617630.1 Application no.:

Patent no.:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH ES

Country of registration: Application no.:

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project:

Nokia Corporation **GSM**

Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

Application no.:

EPO 96920925,3

P9750009

Patent no.: Countries applicable:

ETSI Deliverable:

Notes:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration:

CN 96196226,7

Application no.: Patent no.:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: SPEECH SYNTHESIZER EMPLOYING POST-PROCESSING FOR ENHANCING THE QUALITY OF

THE SYNTHESIZED SPEECH

Country of registration: CA
Application no.: 2224688
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: BR
Application no.: 9608479-0

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: AU
Application no.: 62309/96
Patent no.: 714742

Patent no.: 714742 ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
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 and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: DE

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: A me

: A method for reducing the number of GSM bearer services

Country of registration: FI Application no.: 954545 Patent no.: 101337

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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.:

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: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: AU 70865/96 Patent no.: 715225

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 70865/96
Patent no.: 715225

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: A method for reducing the number of GSM bearer services

Country of registration: NZ Application no.: 318789 Patent no.: 318789

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CA
Application no.: 2222501
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration:

Application no.:

CA 2222501

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.

Nokia Corporation Company name:

Project: **GSM**

A method to evaluate the hangover period in a speech decoder in discontinuous transmission, and a Title:

speech encoder and the transceiver

Country of registration:

Application no.: 96195176,1

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: Application no.:

US 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title:

Country of registration: Application no.:

Notes:

A method for reducing the number of GSM bearer services JΡ

09-513159 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: ĠB Application no.: 9612833,5 Patent no.: 2303034

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FR

Application no.: 9607841 2736186 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: 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.: 9601195 9601195 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: 980020 Application no.: Patent no.: 106607

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CA Application no.: 2232792

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

CŃ Application no.: 99802910.6

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: Cell selection in a multiple modulation cellular radio system

Country of registration: US Application no.: 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.

Company name: Nokia Corporation

Project: GSM

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK Title:

Country of registration: CN Application no.: 99801026.X

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:

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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.: 981485 Patent no.: 106512

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: **GSM**

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: JΡ

Application no.: 2000-557636

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: **GSM**

Title: SPEECH CODING

PCT Country of registration:

Application no.: PCT/FI98/00229 **ETSI Deliverable:** TS 26.190, GSM 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Country of registration: PCT

Application no.: PCT/FI99/00564

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: **GSM**

Title: SPEECH CODING

Country of registration:

US Application no.: 09/073697 Patent no.: 6199035

ETSI Deliverable: TS 26.190, GSM 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:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

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: **GSM**

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: FΙ Application no.: 980340 Patent no.: 106424

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ

Application no.: 2000-531967

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 user data packet transmission in inter SGSN routing area update in GPRS 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.

Nokia Corporation Company name:

Project:

GSM

Title: ΑU

Data transmission method in GPRS

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Data transmission method in GPRS

Country of registration:

CN

Application no.: Notes:

Title:

98809034.1

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: **GSM**

MANAGEMENT OF PACKET SWITCHED CONNECTIONS IN A COMMUNICATION NETWORK

Title: Country of registration: US Application no.: 09/510893

TS 23.121, TS 23.060, TS 25.413, TS 24.008

ETSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: AU Application no.: 64032/98

ETSI Deliverable: TS 26.190, GSM 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: FR
Application no.: 9514476
Patent no.: 9514476
ETSI Deliverable: GSM 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:GBApplication no.:9525018.9Patent no.:2296161ETSI Deliverable:GSM 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:

Application no.: MI95A002579
Patent no.: 1277976
ETSI Deliverable: GSM 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: JP

Application no.: 08-518306 ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

DATA TRANSMISSION METHOD

Title: DATA TRAI
Country of registration: SE
Application no.: 9504420-2
ETSI Deliverable: GSM 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: 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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/FI95/00674 **ETSI Deliverable:** GSM 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 in GPRS

Country of registration: JΡ

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: SPEECH CODING

Country of registration: CN

Application no.: 98804901.5

ETSI Deliverable: TS 26.190, GSM 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**

SPEECH CODING Title:

Country of registration: **EPO** Application no.: 98104785.5

ETSI Deliverable: TS 26.190, GSM 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**

SPEECH CODING Title:

Country of registration: FΙ Application no.: 980502

ETSI Deliverable: TS 26.190, GSM 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: **GSM**

Title: SPEECH CODING Country of registration: IN

Application no.: 876/MAS/98

ETSI Deliverable: TS 26.190, GSM 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM** SPEECH CODING Title:

Country of registration: JΡ

Application no.: 113808/1998

ETSI Deliverable: TS 26.190, GSM 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**

SPEECH CODING Title:

Country of registration: KR Application no.: 99-7009481

ETSI Deliverable: TS 26.190, GSM 06.90

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: US Application no.: 08/849504 Patent no.: 6122498 **ETSI Deliverable:** GSM 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: Method for indicating power consumption in a packet switched communication system

Country of registration: JP

Application no.: 2000-571107

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Incremental redundancy between coded blocks with different sizes Title:

Country of registration:

70038/00

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: Incremental redundancy between coded blocks with different sizes

Country of registration: Application no.:

00958556.3

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

GSM Project:

Title: Incremental redundancy between coded blocks with different sizes

Country of registration: Application no.:

991932

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Incremental redundancy between coded blocks with different sizes

Country of registration: US

Application no.:

Notes:

PCT/FI00/00755

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes:

PCT/FI00/00755

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Data transmission method in GPRS

98943921.1

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: **GSM**

Title: Method for indicating power consumption in a packet switched communication system

Country of registration: Application no.:

FI 981838

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 device for voice activity detection and a communication device 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,

Project:

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:

Project:

GSM

Title:

Method for indicating power consumption in a packet switched communication system

Country of registration: Application no.:

PCT

PCT/FI99/00702

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

ΑU 18802/99

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:

GSM

Title:

Cell selection in a multiple modulation cellular radio system

Country of registration:

CN

Application no.: Notes:

99803540.8

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: Nokia Corporation

Project:

GSM

Title:

Cell selection in a multiple modulation cellular radio system

Country of registration:

Application no.:

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.

Company name: Nokia Corporation

Project:

GSM

Title:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration: Application no.:

EPO

Patent no.:

96908945.7

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

GSM

Title: Country of registration: Method for indicating power consumption in a packet switched communication system

Application no.:

EPO

Notes:

99940220 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: 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:

GSM Project:

Title: Cell selection in a multiple modulation cellular radio system

Country of registration: Application no.:

JP

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.

Company name: Nokia Corporation

GSM Project:

Title: Data transmission method in GPRS

Country of registration: Application no.:

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

Project: **GSM**

Data transmission method in GPRS Title:

Country of registration: Application no.:

LIS 09/519971

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 16052/97 Patent no.: 719988

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A method for enhancing data transmission

Country of registration: Application no.:

Title:

CH 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**

Title: A method for enhancing data transmission

Country of registration: CN

97193857 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, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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: A method for enhancing data transmission

Country of registration: Application no.:

EPO 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: Method and device for voice activity detection and a communication device

Country of registration: JΡ 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: **GSM**

A method for enhancing data transmission 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:

GSM

A method for enhancing data transmission Title:

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.

Company name: Nokia Corporation

Project: **GSM**

Title: A method for enhancing data transmission

Country of registration: Application no.: 9-529024

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

RU

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project:

Title: A method for enhancing data transmission

Country of registration: Application no.: 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 GPRS Title:

Country of registration: 973681 Application no.: 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**

A method for enhancing data transmission Title:

Country of registration: DF

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: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM Country of registration: CA Application no.: 2219256

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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: PH Application no.: 55596 Patent no: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: .IP Application no.: 9-531490 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK BR

Country of registration: 9713095-6 Application no.:

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration: ΑU Application no.: 65644/98

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US Application no.: 08/952047

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: CN Application no.: 97190139,2 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration:

DF Application no.: 19648077,9 Patent no.: 19648077

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: AU Application no.: 20967/97 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: FΙ Application no.: 960996 Patent no.: 102936 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration: US Application no.: 08/724909 Patent no.:

5966378 ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 SF

Country of registration: Application no.: 9603731-2

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: RU

Application no.: PCT/FI96/00505

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO Title:

COMMUNICATION

Country of registration: NL Application no.: 1004295 Patent no.: 1004295

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: **EPO** Application no.: 97906195,9

Patent no.:

Countries applicable:

ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: ΑU 76563/98 Application no.:

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

VECTOR ADAPTIVE PREDICTIVE CODER FOR SPEECH AND AUDIO Title:

Country of registration: CA Application no.:

Patent no.: 1336454

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 4969192 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US Application no.: 09/098832

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration:

PCT/FI98/00468 Application no.:

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: .IP

Application no.: 11-503836

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: IMPROVING SECURITY OF PACKET-MODE TRANSMISSION IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: TH
Application no.: 35812
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CN

Application no.: 98806506,1

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: GB Application no.: 9622016,5 Patent no.: 2306858

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Application no.: 08/974249
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: DE **Application no.:** DE 19546577,6

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: JP

Application no.: 10-523228
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Data transfer in a mobile telephone network

RU

Country of registration:

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

GSM Project:

Title: A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration: **EPO** Application no.: 97952791,8

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE Title:

RADIO NETWORK

Country of registration: CN

Application no.: 97199777,2

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

GSM

TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS Title:

Country of registration: FPO Application no.: 98924337.3

Patent no.:

Countries applicable:

ETSI Deliverable:

Notes:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: CN Application no.: 96190506.9

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FΙ Application no.: 954545 Patent no.: 101337

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: US Application no.: 08/776279 Patent no.: 5960354

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: SG
Application no.: 9700803-1
Patent no.: 37836

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR
Application no.: 700253
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: JP
Application no.: 8534589
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: JP
Application no.: 9-516310
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title:

Notes:

MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: EPO **Application no.:** 96914224

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: -

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: Application no.: 96931826

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Application no.: 2194542

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: AU Application no.: 5765396 Patent no.: 706206

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

MULTIBAND MOBILE TELEPHONE SYSTEM Title:

Country of registration: Application no.: 952382 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL Title:

Country of registration: US Application no.: 765067 Patent no.: 5930233 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title:

DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: US Application no.: 09/765067 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: SG Application no.: 96122478 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: MULTIBAND MOBILE TELEPHONE SYSTEM

Country of registration: HK **Application no.:** 98112483,2

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: NZ
Application no.: 318789
Patent no.: 318789
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FR
Application no.: 9612754
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

DE

Country of registration:

Application no.: 19641084,3

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CN
Application no.: 96198961
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: AU
Application no.: 69906/96
Patent no.: 702769
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD DEVICE AND COMMUNICATION NETWORK FOR AVOIDING COLLISIONS IN RADIO

COMMUNICATION

Country of registration: AT Application no.: A1804/96

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CA
Application no.: 2232792
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US
Application no.: 09/043702
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: NO Application no.: 981333
Patent no.: -

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: JP
Application no.: 09-513159
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: MOBILE COMMUNICATION SYSTEM AND METHOD FOR ESTABLISHING A DATA CALL

Country of registration: HK **Application no.:** 99100294,5

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: IN Application no.: 379/MAS/97

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: HK **Application no.:** 98110176,8

Patent no.:
ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 IT

Application no.: MI96/A002156 **Patent no.:** 1284978

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 955030
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: HK
Application no.: 98100818,3
Patent no.: HK1001846

Patent no.: HK1001846 ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: RU Application no.: 97116484 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: MY Application no.: PI9600844 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: MX Application no.: 97/06885 Patent no.:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: KR Application no.: 97-706298 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: JΡ Application no.: 527130/96

Patent no.:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration: CA Application no.: 2213740 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: IN

Application no.: 422CAL96

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: AU
Application no.: 28887/95
Patent no.: 695150
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
Application no.: 9602957
Patent no.: -

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: ES
Application no.: 9650035
Patent no.: 9650035

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO Application no.: 96903854,6 Patent no.: 516621

Countries applicable: DE, ES, FR, GB, IT, SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: DE Application no.: 19609170,5

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH Title:

Country of registration:

Application no.: TO96A000174 1285305 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: NO Application no.: 960979 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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:** GSM 01.48

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT

CODING OF SPEECH

Country of registration: CN Application no.: 96193827.7

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CA Application no.: 2216315 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: BR Application no.: 9604838,7

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: ΑU Application no.: 52633/96 Patent no.: 697256 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

PREDICTIVE SPLIT-MATRIX QUANTIZATION OF SPECTRAL PARAMETERS FOR EFFICIENT Title:

CODING OF SPEECH

Country of registration: US Application no.: 416019 5664053 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: SF Application no.: 9600918-8 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM Country of registration: FΙ

Application no.: 943302 Patent no.: 96650 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: JΡ Application no.: 8-504136 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM Country of registration: **EPO** Application no.: 95924336,1

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Method and apparatus for detecting hangover periods in a TDMA wireless communication system using Title:

discontinuous transmission

Country of registration: 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Method and apparatus for detecting hangover periods in a TDMA wireless communication system using

discontinuous transmission

Country of registration: FΙ 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**

METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS Title:

SYSTEM

Country of registration: CN Application no.: 95190620.8

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: **BR**

Application no.: PI9607144.3

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND APPARATUS FOR SPEECH TRANSMISSION IN A MOBILE COMMUNICATIONS

SYSTEM

Country of registration: US Application no.: 08/612934 5862178 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: ΑU Application no.: 44796/96

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FΙ Application no.: 973241 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FS Application no.: 9650025

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

EPO Country of registration: Application no.: 96900816,8

Patent no.:

Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: DF

Application no.: 19604273.9

Patent no.:

Notes:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: CN Application no.: 96193095 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

CN

Project: **GSM**

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration:

Application no.: 96193196,5

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: BR Application no.: 9607026,9

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

HK

Project: GSM

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: 98101406,9

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: AR Application no.: 335305

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

GSM Project:

Title: ALGEBRAICH 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:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US Application no.: 438703 Patent no.: 5699482

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES

Country of registration: US Application no.: 927528 Patent no.: 5444816 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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:

DYNAMIC CODEBOOK FOR EFFICIENT SPEECH CODING BASED ON ALGEBRAIC CODES Title:

Country of registration: **EPO** Application no.: 90915956,8 Patent no.: 516621

AU, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE Countries applicable:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JΡ Application no.: 08-529817 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CA Application no.: 2210765 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: MX Application no.: 975997 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: DEPTH-FIRST ALGEBRAICH CODEBOOK SEARCH FOR FAST CODING OF SPEECH

Country of registration: AU
Application no.: 47811/96
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: AR

Application no.: P960101681

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US
Application no.: 509525
Patent no.: 5701392
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: ZA Application no.: 96/0852 Patent no.: 96/0852

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

SE

Project: GSM

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Notes:

Application no.: 9600437-9

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: RU **Application no.:** 97114804

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

FR Country of registration: Application no.:

9601426 2730336 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: MY Application no.: PI9600300

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: GB Application no.: 9602391,6 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: KR Application no.: 705372 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

JΡ Country of registration: Application no.: 523852/96

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration:

Application no.: UD96A000012

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: ΑU Application no.: 28959/97 Patent no.: 738573 **ETSI Deliverable:** GSM 03.71

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.

Nokia Corporation Company name:

Project: **GSM**

ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION Title:

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: IN

Application no.: 198CAL96

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: JΡ

84973/1988 Application no.: Patent no.: 2887286

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: ALGEBRAICH CODEBOOK WITH SIGNAL-SELECTED PULSE AMPLITUDE/POSITION

COMBINATIONS FOR FAST CODING OF SPEECH

Country of registration: NO Application no.: 973472 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: KR

Application no.: 2001-7002028 ETSI Deliverable:

TS 45.003, GSM 06.93

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.

Nokia Corporation Company name:

Project: **GSM** Title:

DATA TRANSMISSION METHOD

Country of registration: FΙ 945844 Application no.: Patent no.: 104870 **ETSI Deliverable:** GSM 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: SPEECH CODING

Country of registration: US

Application no.: 09/263439

ETSI Deliverable:

TS 26.173, TS 26.190 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

SPEECH CODING Title:

Country of registration: PCT

Application no.: PCT/FI99/00112 ETSI Deliverable: TS 26.173, 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**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: FR

Application no.: 9910952

ETSI Deliverable: TS 45.003, GSM 06.93

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:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: GB Application no.:

9920153.5 ETSI Deliverable:

TS 45.003, GSM 06.93 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**

SPEECH CODING Title:

Country of registration: JΡ

Application no.: 2000-536069 ETSI Deliverable:

TS 26.173. TS 26.190 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: JP

Application no.: 11-247569

ETSI Deliverable: TS 45.003, GSM 06.93

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,

Nokia Corporation Company name:

Project: **GSM**

Title: SPEECH CODING Country of registration: IN Application no.: PCT/FI99/00112

ETSI Deliverable: TS 26.173, 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**

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, GSM 06.93

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:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: **PCT**

PCT/FI99/00706 Application no.: WO 00/13448 Patent no.: **ETSI Deliverable:** TS 45.003, GSM 06.93

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.

Nokia Corporation Company name:

GSM Project:

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

AR Country of registration: Application no.: 970105360

ETSI Deliverable: TS 26.193, TS 26.192

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: BR

Application no.: PI9705747.9 **ETSI Deliverable:** TS 26.193, TS 26.192

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Title: Country of registration: CN Application no.:

97126203.9

ETSI Deliverable: TS 26.193, TS 26.192

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: GSM

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: EPO
Application no.: 97309213.3

ETSI Deliverable: TS 26.193, TS 26.192

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: IT

Application no.: MI99A001858
ETSI Deliverable: TS 45.003, GSM 06.93

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: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration:USApplication no.:09/903863ETSI 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: 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: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: BR

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: CA
Application no.: PCT/FI00/00036
ETSI Deliverable: TS 32.015

ETSI Deliverable: TS 32.015 Notes: The SIGNATORY

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: CN

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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

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**

SPEECH CODING Title:

Country of registration: KR

Application no.: 2000-7008992 ETSI Deliverable:

TS 26.173, 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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: JP 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: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

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**

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: **PCT**

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,

Project: **GSM**

Title: SPEECH CODING

Country of registration: BR

Application no.: PI9907665-9

ETSI Deliverable: TS 26.173, 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

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SPEECH CODING Title:

Country of registration: CN

Application no.: 99803763.X

ETSI Deliverable: TS 26.173, 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: FPO Application no.: 99903710.4

Countries applicable: DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: TS 26.173, 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,

under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: FΙ

Application no.: 980532

ETSI Deliverable: TS 26.173, 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**

Title: SPEECH CODING

Country of registration: HK Application no.: 01105589.5

ETSI Deliverable: TS 26.173, 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

GSM Project:

CONTROLLED DATA NETWORK ERROR RECOVERY Title:

Country of registration: FΙ Application no.: 990102 **ETSI Deliverable:** TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: 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:** GSM 03.71

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: JP
Application no.: 9-149370
ETSI Deliverable: GSM 04.64

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: NL
Application no.: 1006252
ETSI Deliverable: GSM 04.64

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: SE
Application no.: 9702172-9
ETSI Deliverable: GSM 04.64

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: GSM 04.64

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: GSN

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: PCT

Application no.: PCT/FI97/00350
ETSI Deliverable: GSM 04.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: JP Application no.: 9-313957

ETSI Deliverable: TS 26.193, TS 26.192

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.

Nokia Corporation Company name:

Project: **GSM**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: **EPO** Application no.: 97923049.7 **ETSI Deliverable:** GSM 03.71

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: GB Application no.: 9711828.5 2313989 Patent no.: ETSI Deliverable: GSM 04.64

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**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: 19995452 Application no.: **ETSI Deliverable:** GSM 03.71

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: US Application no.: 09/423373

ETSI Deliverable: GSM 03.71

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: PCT

Application no.: PCT/EP97/02400 ETSI Deliverable: GSM 03.71

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: AU

Application no.: AU 54016/96 **Patent no.:** 709150

ETSI Deliverable: GSM 02.34. GSM 05.05, GSM 03.34

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: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: CA Application no.: 2219323

ETSI Deliverable: GSM 02.34. GSM 05.05, GSM 03.34

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: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: CN

Application no.: 96193504.9

ETSI Deliverable: GSM 02.34. GSM 05.05, GSM 03.34

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: GS

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: CN
Application no.: 97182167.4
ETSI Deliverable: GSM 03.71

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: AU
Application no.: 23703/97
Patent no.: 724808
ETSI Deliverable: GSM 04.64

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: GPRS LCS GENERAL ARCHITECTURE

Country of registration: JP

Application no.: 2000-579018
ETSI Deliverable: TS 23.271

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:

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.

Nokia Corporation Company name:

Project: **GSM**

METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE Title:

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: Application no.:

EPO 96660094.2

ETSI Deliverable: GSM 03.20, 02.07, 02.09

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: FΙ 956036 Application no.: 101670 Patent no.:

ETSI Deliverable: GSM 03.20, 02.07, 02.09

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD FOR INDICATING ENCIPHERING OF DATA TRANSMISSION BETWEEN A MOBILE

COMMUNICATION NETWORK AND A MOBILE STATION

Country of registration: US

08/763970, 09/827593 Application no.:

Patent no.: 6249584

ETSI Deliverable: GSM 03.20, 02.07, 02.09

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC Title:

Country of registration: FPO Application no.: 97301741.1 **ETSI Deliverable:** GSM 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

GSM Project: Title:

METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: IT

Application no.: MI97A/001335 Patent no.: 1292098 **ETSI Deliverable:** GSM 04.64

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,

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: GSM 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: IN

Application no.: 1162/MAS/97
ETSI Deliverable: GSM 04.64

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: GSM 04.64

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: GSN

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: DE

Application no.: 19723659.6 **ETSI Deliverable:** GSM 04.64

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: ES
Application no.: 9701249
Patent no.: 9701249
ETSI Deliverable: GSM 04.64

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: GSN

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: FI
Application no.: 962352
ETSI Deliverable: GSM 04.64

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHOD FOR THE ENCRYPTION OF DATA TRANSFER

Country of registration: FR
Application no.: 9707028
ETSI Deliverable: GSM 04.64

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 NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: FI
Application no.: 20000524
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: SPEECH COMMUN. SYST. WITH RELIABLE DETECTION OF ETC

Country of registration:GBApplication no.:9606753.3Patent no.:2311699ETSI Deliverable:GSM 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: Guaranteed service selection

Country of registration: JP

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: GSM

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: NL Application no.: 1010427

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 200

Application no.: 2000113226

Notes: 2000113226

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration:

Application no.: 9803644-5

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: 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 SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.

Nokia Corporation Company name:

Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: BR

PI9912994-9 Application no.:

ETSI Deliverable: TS 45.003, GSM 06.93

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: Guaranteed service selection

Country of registration: FΙ Application no.: 980062 Patent no.: 106831

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

GSM Project:

Subnetwork dependent convergence protocol for a mobile radio network 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,

Project:

Title: Guaranteed service selection

US

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**

Subnetwork dependent convergence protocol for a mobile radio network 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: **GSM**

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

Project: **GSM**

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Guaranteed service selection Title:

Country of registration: ZA Application no.: 99/0213 Patent no.: 99/0213

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: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: PCT

Application no.: PCT/FI99/00894 **ETSI Deliverable:** TS 23.271

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: GSM

Title: Guaranteed service selection

Country of registration: FPO Application no.: 99900478.1 Countries applicable: HK

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

GSM Project:

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: Application no.:

AT A1775/98

10-541193

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: NO

Country of registration:

Application no.: 985510

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 JΡ

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**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration: FΙ Application no.: 971319 104874 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: Nokia Corporation

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS Title:

Country of registration: EPO 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,

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: Application no.:

ΑU 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**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: JΡ

Application no.: 2000-518526

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

LIS

Country of registration: Application no.:

09/134615

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: Application no.:

ΑU 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: CN Application no.:

98810820.8

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,

Project:

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

Project: **GSM**

Title: Subnetwork dependent convergence protocol for a mobile radio network

Country of registration: FΙ Application no.: 974094 Patent no.: 105760

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

99810506.6 Application no.:

TS 45.003, GSM 06.93 **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**

Title: Data transfer in a mobile telephone network

Country of registration: 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**

SMS IN GPRS Title:

Country of registration: US Application no.: 09/194652

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: SMS IN GPRS

Country of registration: FI Application no.: 971381 Patent no.: 105873

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: GSM Title: SMS IN GPRS

Country of registration: IN

Application no.: 708/MAS/98

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: GSM

Title: SMS IN GPRS Country of registration: JP

Application no.: 10-541201

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: GSM
Title: SMS IN GPRS

Country of registration: MY
Application no.: PI9801435

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: GSM

Title: SMS IN GPRS
Country of registration: SG
Application no.: 9806032-0
Patent no.: 60753

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: GSM

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: AU **Application no.:** 54251/99

ETSI Deliverable: TS 45.003, GSM 06.93

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: **GSM**

Title: SMS IN GPRS

Country of registration: TW Application no.: 86110727 Patent no.: 098463

ETSI Deliverable:

TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project: Title: SMS IN GPRS

Country of registration: CA Application no.: 2257189

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

SMS IN GPRS Title: Country of registration: **PCT**

Application no.: PCT/FI98/00294

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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 **GSM** Project:

Title: SMS IN GPRS

Country of registration: ZA Application no.: 98/2684 Patent no.: 98/2684

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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: **GSM**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: CN Application no.: 99812676.4 **ETSI Deliverable:** TS 23.271

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:

EPO Country of registration: 99954027.1 Application no.: **ETSI Deliverable:** TS 23.271

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:

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: FΙ Application no.: 982331 **ETSI Deliverable:** TS 23.271

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: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: JΡ Application no.: 8-532200

ETSI Deliverable: GSM 02.34. GSM 05.05, GSM 03.34

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**

SMS IN GPRS Title:

Country of registration: TH Application no.: 038940

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title: IN

Country of registration: Application no.:

1263/MAS/97

ETSI Deliverable: GSM 03.81, GSM 09.02

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 FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration: DF

Application no.: 19941331.2

ETSI Deliverable: TS 45.003, GSM 06.93

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:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: FI Application no.: 981869 Patent no.: 105635

ETSI Deliverable: TS 45.003, GSM 06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: GSM

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration:

Application no.: 09/965303, 09/371332, 031047; 031321

5960389 Patent no.:

ETSI Deliverable: TS 26.193, TS 26.192

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: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: ΑU Application no.: 29001/97 Patent no.: 718787

ETSI Deliverable: GSM 03.81, GSM 09.02

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: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: CA Application no.: 2227061

ETSI Deliverable: GSM 03.81, GSM 09.02

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: CN

Application no.: 97190580.0

ETSI Deliverable: GSM 03.81, GSM 09.02

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: **EPO**

Countries applicable: ΗK

Application no.:

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

98912536.4

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: **GSM**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: FΙ Application no.: 962128 Patent no.: 103170

ETSI Deliverable: GSM 03.81, GSM 09.02

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**

SMS IN GPRS Title:

Country of registration: CN

Application no.: 98800595.6

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: JΡ Application no.: 9-541667

GSM 03.81, GSM 09.02 **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**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: PH Application no.: I-57073

ETSI Deliverable: GSM 03.81, GSM 09.02

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: TH 037900 Application no.:

ETSI Deliverable: GSM 03.81, GSM 09.02

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: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: US

Application no.: 08/983318. CPA08/983318 **ETSI Deliverable:** GSM 03.81, GSM 09.02

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:

PCT Application no.: PCT/FI97/00298 ETSI Deliverable: GSM 03 81 GSM 09 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.

Project: GSM

Title: GPRS LCS GENERAL ARCHITECTURE

Country of registration: US
Application no.: 09/830816
ETSI Deliverable: TS 23.271

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: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: EPO 97923109.9

ETSI Deliverable: GSM 03.81, GSM 09.02

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: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: JP

Application no.: 2000-570994

ETSI Deliverable: TR04 60

ETSI Deliverable: TR04.60
Notes: The SIGNAT

Intes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences.

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

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

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: BR
Application no.: 9913422-5
ETSI Deliverable: TR04.60
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 because that they are proposed to great irreveable 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,

Project: GSM

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: CN
Application no.: 99810990.8
ETSI Deliverable: TR04.60

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration:EPOApplication no.:99946191.6ETSI 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: EPO **Application no.:** 99950791.6

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration: IN IN/PCT/2001/00346

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 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: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

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,

Project:

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

Country of registration:

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**

Title: IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS

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,

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: PCT

Application no.: PCT/FI99/00760

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**

METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL Title:

Country of registration: ΑIJ Application no.: 63435/99

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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**

IPV6 ADDRESS ACQUISITION IN GPRS Title:

Country of registration: FΙ Application no.: 20000121 **ETSI Deliverable:** 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: **GSM**

IMPROVED METHOD AND ARRANGEMENT FOR CHANGING CELLS Title:

Country of registration: 982000 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,

Project:

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: Application no.: 981267 Patent no.: 106834 **ETSI Deliverable:** GSM 04.14

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

GSM Project:

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: **EPO** Application no.: 96910991.7

GSM 02.34. GSM 05.05, GSM 03.34 **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: IPV6 ADDRESS ACQUISITION IN GPRS

Country of registration: **PCT**

Application no.: PCT/FI01/00034 **ETSI Deliverable:** 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

GSM Project:

Notes:

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Country of registration: AU Application no.: 46197/99

ETSI Deliverable: GSM 04.14

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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:** GSM 04.14

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

GSM Project:

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: CN Application no.: 99809347.5 **ETSI Deliverable:** GSM 04.14

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: Application no.: 19983271.4 GSM 04.14 **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: MEASUREMENT REPORT TRANSMISSION IN GPRS DOWNLINK TRANSFER

Country of registration:

JΡ 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: ES Application no.: 200050078 ETSI Deliverable: GSM 04.14

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: GB Application no.: 9828875.6 **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**

Title: METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS

Country of registration: GB Application no.: 0029271.4 ETSI Deliverable: GSM 04.14

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD AND SYSTEM FOR TESTING DATA CHANNEL FUNCTIONALITY IN A RADIO APPARATUS Title:

Country of registration: JP Application no.: 2000-552855 ETSI Deliverable: GSM 04 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,

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: GSM 04.14

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: GSM 04.14

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: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: FI
Application no.: 982251
Patent no.: 105312

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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:EPOApplication no.:99929361.6ETSI Deliverable:GSM 04.14

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: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: JP 8-136887
ETSI Deliverable: GSM 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: UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF

Country of registration: FΙ Application no.: 20000779 **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: 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: **GSM**

UPLINK TBF ESTABLISHMENT IN PACCH AFTER DOWNLINK TBF Title:

Country of registration: PCT

Application no.: PCT/FI01/00299

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**

Implementation of mutual rate adaptations in data services between GSM and DECT Title:

Country of registration: ΑÜ Application no.: 58218/96 Patent no.: 716363 **ETSI Deliverable:** GSM 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: CN Application no.: 96195981.9 **ETSI Deliverable:** GSM 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: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: CN

Application no.: 99814426.6

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: Application no.: 952813 Patent no.: 98176 **ETSI Deliverable:** GSM 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

GSM Project:

Title: MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: JΡ

Application no.: 2000-605421 **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

GSM Project:

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: RÚ Application no.: 97119934 2153238 Patent no.: **ETSI Deliverable:** GSM 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: US Application no.: 08/659590 Patent no.: 6081534 **ETSI Deliverable:** GSM 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:

PCT/FI96/00305 Application no.: **ETSI Deliverable:** GSM 01.48

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

DATA TRANSMISSION METHOD Title:

Country of registration: ΑT Application no.: A1990/95 Patent no.: 408171 **ETSI Deliverable:** GSM 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: СН Application no.: 3510/95 Patent no.: 691647 GSM 01.48 **ETSI Deliverable:**

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: A METHOD OF SETTING THE PERSISTENCE OF A MOBILE STATION IN A CELLULAR MOBILE

RADIO NETWORK

Country of registration: RU Application no.: 99112946

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Implementation of mutual rate adaptations in data services between GSM and DECT

Country of registration: EPO Application no.: 96304138.9 **ETSI Deliverable:** GSM 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:

Title: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

JΡ Country of registration:

Application no.: 2000-601868 **ETSI Deliverable:** GSM 04.14

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 OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: IN

Application no.: IN/PCT/2001/00527

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL JP

Country of registration:

2000-577850

Application no.:

GSM 05.08, TR04.60, GSM 05.02

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,

Project: GSM

Title: METHOD OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: RU

Application no.: 2001113284

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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 OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: US
Application no.: 09/419171

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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 OF CELL RE-SELECTION, AND NETWORK PART, AND SUBSCRIBER TERMINAL

Country of registration: PCT

Application no.: PCT/FI99/00854

ETSI Deliverable: GSM 05.08, TR04.60, GSM 05.02

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: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: CN
Application no.: 00804208.X
ETSI Deliverable: GSM 04.14

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 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,

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: FI
Application no.: 990390
Patent no.: 107862
ETSI Deliverable: GSM 04.14

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: 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 RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration: US
Application no.: 09/506.993
ETSI Deliverable: GSM 04.14

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: PCT

Application no.: PCT/FI00/00125
ETSI Deliverable: GSM 04.14

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 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 SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

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 $\ensuremath{\mathsf{ESSENTIAL}}.$

Company name: Nokia Corporation

Project: GSM

Title: MENETELMÄ SIIRTOIKKUNAN VALINNASSA JA MATKAVIESTIN

Country of registration: FI
Application no.: 990590
Patent no.: 106498
ETSI Deliverable: TR04.60
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: GSM

Title: ALTERNATIVE NEIGHBOUR REPORTING PROPOSAL

Country of registration: PCT

Application no.: PCT/IB00/01316 ETSI Deliverable: GSM 05.08

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: MENETELMÄ RADIOLAITTEEN TOIMIVUUDEN TESTAAMISEKSI JA MATKAVIESTIN

Country of registration:EPOApplication no.:00905105.3ETSI Deliverable:GSM 04.14

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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration:SGApplication no.:9902730-2ETSI Deliverable:GSM 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: GSM 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
Application no.: 98900083.1
Countries applicable: HK
ETSI Deliverable: GSM 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: FI
Application no.: 970035
ETSI Deliverable: GSM 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,

Project: GSM

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration:

Application no.: 004/MAS/98 ETSI Deliverable: GSM 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: JP
Application no.: 10-529666
ETSI Deliverable: GSM 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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: HK
Application no.: 01102154.7
ETSI Deliverable: GSM 03.33

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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: PH
Application no.: I-58910
ETSI Deliverable: GSM 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: METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration: PCT

Application no.: PCT/FI98/00524 ETSI Deliverable: PCT/FI98/00524 GSM 05.08, GSM 04.18

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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: US
Application no.: 09/331765
ETSI Deliverable: GSM 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,

Project: GSM

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: PCT

Application no.: PCT/Fl98/00004
ETSI Deliverable: GSM 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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: CA
Application no.: 2304172
ETSI Deliverable: GSM 03.33

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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration:CNApplication no.:98810507.1ETSI Deliverable:GSM 03.33

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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: EPO
Application no.: 98946489.6
ETSI Deliverable: GSM 03.33

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: IPV6 ADDRESS ACQUISITION IN GPRS

Country of registration: US
Application no.: 09/765190
ETSI Deliverable: 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: GSM

Title: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: MY
Application no.: P19706220
ETSI Deliverable: GSM 03.73
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,

Project:

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: GSM 05.08, GSM 04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project: Title:

DATA TRANSMISSION METHOD

Country of registration: DE Application no.: 19545767.6 **ETSI Deliverable:** GSM 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

GSM Project:

Title: ASYMMETRIC HSCSD IN TDMA CELLULAR NETWORKS

Country of registration: US Application no.: 08/945387 6240076 Patent no.:

GSM 02.34. GSM 05.05, GSM 03.34 **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: GSM 02.34, GSM 05.05, GSM 03.34

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: FΙ Application no.: 963677 ETSI Deliverable:

GSM 05.09, 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**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: IN

Application no.: 1942/MAS/97 **ETSI Deliverable:** GSM 05.09, 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: **GSM**

Title: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: ΤH Application no.: 039370

ETSI Deliverable: GSM 05.09, 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: ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA

Country of registration: CA 2276363 Application no.: **ETSI Deliverable:** GSM 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**

SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ Title:

Country of registration: PCT

Application no.: PCT/FI97/00552 ETSI Deliverable: GSM 05.09, 05.03

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

ERIKOISSOLUJEN KÄYTTÖ GSM-VERKOSSA Title:

Country of registration: ΑIJ Application no.: 53248/98 Patent no.: 728514 **ETSI Deliverable:** GSM 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 IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION **EPO**

Country of registration: Application no.:

98304790.3

ETSI Deliverable: GSM 05.08. GSM 04.18

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.

Nokia Corporation Company name:

Project:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration: FΙ Application no.: 972604 Patent no.: 105251

ETSI Deliverable: GSM 05.08, GSM 04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project:

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A Title:

MOBILE STATION AND MOBILE STATION

Country of registration: HK

Application no.: 01101873.9

ETSI Deliverable: GSM 05.08, GSM 04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

MOBILE STATION AND MOBILE STATION

Country of registration: JΡ

Application no.: 11-509387

ETSI Deliverable: GSM 05.08, GSM 04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD FOR IDENTIFYING BASE STATIONS OF A TIME DIVISION CELLULAR NETWORK IN A

Title: MOBILE STATION AND MOBILE STATION

Country of registration:

US 09/097137

Application no.: ETSI Deliverable:

GSM 05.08, GSM 04.18

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: .IP

2000-514433 Application no.: **ETSI Deliverable:** GSM 03.33

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: SIGNALOINTIMENETELMÄ DIGITAALISESSA MATKAVIESTINJÄRJESTELMÄSSÄ

Country of registration: US Application no.: 09/254890 ETSI Deliverable: GSM 05.09, 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:

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: FΙ Application no.: 990511 **ETSI Deliverable:** TS 23.122

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.

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.: 2000-588985
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,

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: KR

Application no.: 7007419/2001 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: US
Application no.: 09/831689
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: PCT

Application no.: PCT/Fl99/01048 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: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: FI
Application no.: 973806
Patent no.: 106509
ETSI Deliverable: GSM 03.33
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,

Project:

Title: A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS

Country of registration: Application no.: 00909387.3 **ETSI Deliverable:** TS 23.122

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: MENETELMÄ RADIOVERKON SOLUNVALINTATIETOJEN ESITTÄMISEEN

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**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

JΡ Country of registration:

Application no.: 2000-604637 ETSI Deliverable: TS 23.122

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: US Application no.: 09/914953 **ETSI Deliverable:** TS 23.122

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**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

Country of registration: **PCT**

Application no.: PCT/FI00/00179 TS 23,122

ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS Title:

Country of registration: GB Application no.: 9922217.6

ETSI Deliverable: GSM 04.18, GSM 05.08

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,

Project:

Title: A NEW CODING METHOD TO REPORT THE NEIGHBOUR CELL MEASUREMENT RESULTS

Country of registration: PCT

Application no.: PCT/EP00/09206 GSM 04.18, GSM 05.08 **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: ALTERNATIVE NEIGHBOUR REPORTING PROPOSAL

Country of registration: GB Application no.: 9922204.4 ETSI Deliverable: GSM 05.08

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**

A METHOD TO PREVENT MOBILES CAMPING ON CERTAIN CELLS Title:

Country of registration: CN

Application no.: PCT/FI00/00179

ETSI Deliverable: TS 23.122

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**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title: JΡ

Country of registration: Application no.:

11-538957

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: TH Application no.: 039898 **ETSI Deliverable:** GSM 03.33

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK Title:

Country of registration: TW Application no.: 86114332 Patent no.: 130601 **ETSI Deliverable:** GSM 03.33 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project:

Title: LEGAL INTERCEPTION IN A TELECOMMUNICATIONS NETWORK

Country of registration: Application no.: 09/509308 **ETSI Deliverable:** GSM 03.33

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: PCT

Application no.: PCT/FI98/00762 **ETSI Deliverable:** GSM 03.33

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: TS 29.002, TS 23.008, TS 23.016, TS 23002

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: CN

99800086.8

Application no.:

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **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**

GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR Title:

Country of registration: FΙ Application no.: 980185 Patent no.: 106517

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: CN Application no.: 99814390.1 **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: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: MY Application no.: PI9900302

TS 29.002, TS 23.008, TS 23.016, TS 23002 ETSI Deliverable:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: US Application no.: 09/381334

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: PCT

Application no.: PCT/FI99/00057

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ZA Application no.: 99/0669 99/0669 Patent no.:

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: FΙ Application no.: 951971 Patent no.: 101114

ETSI Deliverable: GSM 02.34. GSM 05.05, GSM 03.34

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: GSM/GPRS NETWORK ACCESS PARAMETER IN HLR, SGSN AND VLR

Country of registration: **EPO** Application no.: 99900903.8

ETSI Deliverable: TS 29.002, TS 23.008, TS 23.016, TS 23002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: US Application no.: 08/373942 Patent no.: 5664004

ETSI Deliverable: GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: ΑU Application no.: 58658/98 Patent no.: 739176

ETSI Deliverable: GSM 05.03. GSM 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: New 14.4 Kbit/s service for GSM

Country of registration: US Application no.: 09/066359 **ETSI Deliverable:** GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

New 14.4 Kbit/s service for GSM Title:

Country of registration: NO Application no.: 98.1941 **ETSI Deliverable:** GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: New 14.4 Kbit/s service for GSM

Country of registration: .IP 9-517098 Application no.: **ETSI Deliverable:** GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: New 14.4 Kbit/s service for GSM

Country of registration: FΙ Application no.: 955206 **ETSI Deliverable:** GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **GSM**

New 14.4 Kbit/s service for GSM Title:

Country of registration: FPO Application no.: 96934871.3 **ETSI Deliverable:** GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

Title: Point-to-multipoint mobile radio transmission

Country of registration: CN

98808034.6

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: **GSM**

Title: New 14.4 Kbit/s service for GSM

Country of registration: ΑU Application no.: 73003/96 716158 Patent no.: **ETSI Deliverable:** GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: FΙ Application no.: 970554

ETSI Deliverable: GSM 05.03, GSM 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch Country of registration: SG Application no.: 9703101-7 Patent no 42705 GSM 08.06 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: NO Application no.: 973233 **ETSI Deliverable:** GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: JΡ Application no.: 8-521466 **ETSI Deliverable:** GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch Country of registration: HK

98103484.0 Application no.: **ETSI Deliverable:** GSM 08.06

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: FΙ 972973 Application no.: **ETSI Deliverable:** GSM 08.06

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

> switch **EPO**

Country of registration: Application no.: 96900618.8 **ETSI Deliverable:** GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Notes:

Title: New 14.4 Kbit/s service for GSM

Country of registration: CN Application no.: 96198322.1

ETSI Deliverable: GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 decreasing the frame error rate in data transmission in the form of data frames

Country of registration: DF

Application no.: 19815597.2 **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: KR

Application no.: 99-7009285 **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: JP
Application no.: 10-098937
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: IT
Application no.: MI98A000766
Patent no.: 1299063
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: IN

Application no.: 759/MAS/98 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM Title: Method

Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: GB
Application no.: 9807608.6
Patent no.: 2329803
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM Title: Method

Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: FR
Application no.: 9804479
Patent no.: 9804479
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: CN Application no.: 98802418.7

ETSI Deliverable: GSM 05.03, GSM 05.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Notes:

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: ES
Application no.: 9950051
ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: An information coding method and devices utilizing error correction and error detection

Country of registration: **EPO**

Application no.: 98901995.5

ETSI Deliverable: GSM 05.03, GSM 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: CN Application no.: 98106901.0 **ETSI Deliverable:** TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: CH Application no.: 1846/99 ETSI Deliverable: TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: ΑU Application no.: 64040/98 Patent no.: 733218 **ETSI Deliverable:** TS 45,003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: An information coding method and devices utilizing error correction and error detection

Country of registration: US

09/019656 Application no.:

ETSI Deliverable: GSM 05.03, GSM 05.09

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

An information coding method and devices utilizing error correction and error detection Title:

Country of registration: KR

Application no.: 99-7006666

ETSI Deliverable: GSM 05.03, GSM 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: GSM

An information coding method and devices utilizing error correction and error detection Title:

Country of registration: .IP Application no.: 10-533811

ETSI Deliverable: GSM 05.03, GSM 05.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: ΑU Application no.: 44399/96 700659 Patent no.: **ETSI Deliverable:** GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Method for decreasing the frame error rate in data transmission in the form of data frames Title:

Country of registration: Application no.: 971484 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM 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: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch

Country of registration: CN

Application no.: 96191896.9 **ETSI Deliverable:** GSM 08.06

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM Title:

FOR EFFECTING PAYMENTS

Country of registration: US Application no.: 08/597845 5887266

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project:

Title:

GSM

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM FOR EFFECTING PAYMENTS

Country of registration: JΡ Application no.: 8-524688

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration: FPO Application no.: 96901820,9

Patent no.:

Countries applicable: **ETSI Deliverable:**

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Application no.: 96191948,5

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: Application no.: 973373 Patent no.: 106175

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Data transfer in a mobile telephone network

Country of registration: Application no.:

9810440

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

CN

Country of registration:

Application no.:

98810085.1

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: Data transfer in a mobile telephone network

Country of registration: GB

Application no.: 9818013.6

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,

Project: GSM

Title: Data transfer in a mobile telephone network

Country of registration: AT
Application no.: A1348/98
Patent no.: 407.686

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 09/

09/132122

Application no.: 09/13212

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RU

Application no.: 2000105897

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JF

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

Title: Point-to-multipoint mobile radio transmission

Country of registration: HK

Application no.:

Title:

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

Point-to-multipoint mobile radio transmission

Country of registration: FI Application no.: 973303 Patent no.: 105874

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Solsa for GPRS
Country of registration: PCT
Application no.: PCT/F199/00750

ETSI Deliverable: GSM 03.73, GSM 08.18

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Data transfer in a mobile telephone network

Country of registration:

Application no.: 19835427.4

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: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: EPO
Application no.: 92900861
Patent no.: GSM 05.20049
ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: CN 98801881.0

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 SE

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: NO Application no.: 923575 Patent no.: 306370

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 NL

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018. TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 IT

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 GB

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: FI
Application no.: 951019
Patent no.: 100212
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: FI
Application no.: 910211
Patent no.: 90713

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Support of multiplicity of air interfaces over the interface between the base station controller and the mobil

switch CA

Country of registration: CA
Application no.: 2210006
ETSI Deliverable: GSM 08.06

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 DE

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: CH
Application no.: 92900861
Patent no.: GSM 05.20049
ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

 Country of registration:
 BE

 Application no.:
 92900861

 Patent no.:
 GSM 05.20049

 ETSI Deliverable:
 TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: AU
Application no.: 90472/91
Patent no.: 659814

ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: AT
Application no.: 92900861
Patent no.: GSM 05.20049
ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: AU
Application no.: 48332/96
Patent no.: 703855
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: HK

Application no.: 01103066.2

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: GSM

Title: A method for setting up an incoming call to a mobile radio in a cellular mobile radio network

Country of registration: FR
Application no.: 92900861.3
Patent no.: GSM 05.20049
ETSI Deliverable: TS 23.018, TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: IN

Application no.: 381/MAS/98 ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Improved timing advance determination

Country of registration: US

Application no.: PCT/EP00/08551
ETSI Deliverable: GSM 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method of exiting collect information phase in intelligent network

Country of registration: FI
Application no.: 974100
Patent no.: 105981
ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method of exiting collect information phase in intelligent network

Country of registration: EPO
Application no.: 98950132.5
ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method of exiting collect information phase in intelligent network

Country of registration: CN

Application no.: 98802213.3 **ETSI Deliverable:** TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method of exiting collect information phase in intelligent network

Country of registration: CA
Application no.: 2276374
ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: US
Application no.: 09/028726
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method of exiting collect information phase in intelligent network

Country of registration: JP
Application no.: 11-530114
ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: JP **Application no.:** 43401/1998

ETSI Deliverable:

Notes:

TS 48.008
The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 of exiting collect information phase in intelligent network

Country of registration: US
Application no.: 09/331874
Patent no.: 6393121
ETSI Deliverable: TS 23.121

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: HK

Application no.: 00105863.3 ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: FI
Application no.: 970855
Patent no.: 104780
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: ES
Application no.: 9950041
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: EPO 98301527.2 ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: CN
Application no.: 98802945.6
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: AU
Application no.: 61032/98
Patent no.: 732488
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method for decreasing the frame error rate in data transmission in the form of data frames

Country of registration: US

Application no.: 09/057680, 09/730288

Patent no.: 6178535 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell prioritising in a cellular radio system

Country of registration: SE
Application no.: 9903029-8
ETSI Deliverable: TS 48.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell selection in a packet radio network

Country of registration: FI
Application no.: 981130
Patent no.: 106768
ETSI Deliverable: GSM 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Solsa for GPRS

Country of registration: US Application no.: 09/787125

ETSI Deliverable: GSM 03.73, GSM 08.18

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Solsa for GPRS

Country of registration: FI
Application no.: 981976
Patent no.: 106087

ETSI Deliverable: GSM 03.73. GSM 08.18

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM
Title: Solsa for GPRS
Country of registration: EPO

 Application no.:
 99944665.1

 ETSI Deliverable:
 GSM 03.73, GSM 08.18

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Solsa for GPRS

Country of registration: CN Application no.: 998

99810921.5

ETSI Deliverable: GSM 03.73, GSM 08.18
Notes: The SIGNATORY and/or its AFF

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Solsa for GPRS Country of registration: BR

Application no.: PI9913674-0

ETSI Deliverable: GSM 03.73, GSM 08.18

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: Cell selection in a packet radio network

Country of registration: PCT

PCT/FI99/00431 Application no.: **ETSI Deliverable:** GSM 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project:

Title: Method of exiting collect information phase in intelligent network

Country of registration: HK

Application no.: 00102926.5 ETSI Deliverable: TS 23.121

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Cell selection in a packet radio network

Country of registration: JP

Application no.: 2000-550280 **ETSI Deliverable:** GSM 03.22

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Improved timing advance determination

Country of registration: JΡ

Application no.: 2001-522795 **ETSI Deliverable:** GSM 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Cell selection in a packet radio network

Country of registration: **EPO** 99952143.8 Application no.: **ETSI Deliverable:** GSM 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Rate adaptation of edge traffic channel in GSM network Title:

Country of registration: PCT

Application no.: PCT/FI99/00388

GSM 04.21, GSM 08.20, TS 29.007, TS 27.001 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: US

Application no.: 09/462199

ETSI Deliverable: GSM 04.21, GSM 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: FI Application no.: 981043 Patent no.: 105975

ETSI Deliverable: GSM 04.21, GSM 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: EPO 99923621.9

ETSI Deliverable: GSM 04.21, GSM 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: CN Application no.: 99800725.0

ETSI Deliverable: GSM 04.21, GSM 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Rate adaptation of edge traffic channel in GSM network

Country of registration: CA Application no.: 2295608

ETSI Deliverable: GSM 04.21, GSM 08.20, TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Cell selection in a packet radio network

Country of registration: US
Application no.: US

Application no.: 09/700588 **ETSI Deliverable:** GSM 03.22

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: US **Application no.:** 09/341303

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Improved timing advance determination

Country of registration: PCT

Application no.: PCT/EP00/08551
ETSI Deliverable: GSM 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: IN

Application no.: 651/MAS/98

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSI Title: Allo

Allocation of control channel in packet radio network

Country of registration: HK

Application no.: 00100946.5

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: Allocation of control channel in packet radio network

Country of registration: FI Application no.: 971537 Patent no.: 104610

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: EPO 98912523.2 ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: CN
Application no.: 98800378.3

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: MY **Application no.:** PI9801360

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: ZA
Application no.: 98/0435
Patent no.: 98/0435

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: SG Application no.: 9805667-4 Patent no.: 60504

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: JP
Application no.: 8533810
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: JP Application no.: 10-533809

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: TIME DIVISION MULTIPLE ACCESS RADIO SYSTEMS

Country of registration: FI
Application no.: 972724
Patent no.: 104135

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: HK

Application no.: 00102496.5

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: FI
Application no.: 970239
Patent no.: 103084

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: Routing area updating in packet radio network

Country of registration: **EPO**

Application no.: 98900872.7

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project:

Point-to-multipoint mobile radio transmission Title:

Country of registration: Application no.:

AU 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:

Project: **GSM**

Allocation of control channel in packet radio network Title:

Country of registration: CA Application no.: 2254142

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Resource allocation mechanism in packet radio network

Country of registration:

Application no.: 650/MAS/98 ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Improved timing advance determination

Country of registration: GB Application no.: 9920918.1 **ETSI Deliverable:** GSM 04.31

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **GSM**

Improved timing advance determination Title:

Country of registration: **EPO** Application no.: 00965910.3 **ETSI Deliverable:** GSM 04.31

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Improved timing advance determination Title:

Country of registration: CA

PCT/EP00/08551 Application no.: ETSI Deliverable: GSM 04.31

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: ZA
Application no.: 98/2554
Patent no.: 982554
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: US
Application no.: 09/194576
Patent no.: 6356759
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: SG
Application no.: 9805665-8
Patent no.: 60502
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: JP **Application no.:** 10-541197

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: JP
Application no.: 10-541187
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: CA Application no.: 2278801

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: HK
Application no.: 00100947.4
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: FI
Application no.: 971321
Patent no.: 104877
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: EPO
Application no.: 98910776.8
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: CN
Application no.: 98800379.1
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: CA
Application no.: 2256429
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration:ZAApplication no.:98/2553Patent no.:982553

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Allocation of control channel in packet radio network

Country of registration: US **Application no.:** 09/194572

ETSI Deliverable: GSM 03.64, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Resource allocation mechanism in packet radio network

Country of registration: MY
Application no.: P19801353
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: KR **Application no.:** 97-703369

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: FR
Application no.: 9513774
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: GB
Application no.: 9522534,8
Patent no.: 2295525

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: SE Application no.: 9504541-5 Patent no.: 506999

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: NL Application no.: 1001927 Patent no.: 1001927

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP
Application no.: 8-523281
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Point-to-multipoint mobile radio transmission

Country of registration: Application no.:

ETSI Deliverable:

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

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: JP
Application no.: 8-518298
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: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: AU
Application no.: 39849/95
Patent no.: 695635
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: NL
Application no.: 1001744
Patent no.: 1001744

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: SE Application no.: 9504067-1 Patent no.: 9504067-1

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US
Application no.: 08/836969

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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.: 945817
Patent no.: 97187

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 9514959 Patent no.: 9514959

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

ES Country of registration: Application no.: 9502309 Patent no.: 9502309

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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 TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: GB Application no.: 9525966.9 2297669 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: .IP Application no.: 8-511421 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 8676023 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: ΑU Application no.: 35240/95 Patent no.: 696802 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA
Application no.: 2200307
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CN
Application no.: 95195967
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: EPO Application no.: 95932032

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: DE

Application no.: 19543253,3
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title:

Title:

A METHOD FOR INDICATING A MULTI-SLOT CHANNEL IN A TDMA RADIO SYSTEM

Country of registration: CN
Application no.: 95197341.X

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

Country of registration: KR
Application no.: 701981
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: DATA TRANSMISSION METHOD IN A TDMA MOBILE COMMUNICATION SYSTEM

Country of registration: SG Application no.: 9701451-8 Patent no.: 39164

Patent no.: ETSI Deliverable:

ETSI Deliverable: 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: US
Application no.: 08/817331
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FI
Application no.: 945540
Patent no.: 99076

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AT
Application no.: A1926/95
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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.: 95196707.X

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FI
Application no.: 971270
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

JΡ Country of registration: Application no.: 8-521459 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: ΑU Application no.: 41186/96 Patent no.: 699810 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: GB Application no.: 9600378,5 Patent no.: 2296844

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Application no.: 950116 98586 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: ΑU Application no.: 43928/96 Patent no.: 702765

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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: CA Application no.: 2209715

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

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

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: DE Application no.: 19543845

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

PACKET IN PACKET RADIO NETWORKS

Country of registration: HK

Application no.: 98102855,3

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: CN Application no.: 96191381,9

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: NO Application no.: 973177 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: SG Application no.: 9705557 Patent no.: 49522

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA Title:

PACKET IN PACKET RADIO NETWORKS

Country of registration: US

Application no.: 08/875464 Patent no.: 5970059

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: 950419 Application no.: Patent no.: 99066

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: ΑU 42618/96 Application no.: Patent no.: 694928 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: CH Application no.: 03511/95 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM Title:

Country of registration: CN Application no.: 95197523,4

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

GSM PACKET RADIO SYSTEM AND METHODS FOR A PROTOCOL-INDEPENDENT ROUTING OF A DATA

Country of registration:

PACKET IN PACKET RADIO NETWORKS

Application no.: 96900336,7

Patent no.: Countries applicable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: HK Application no.: 98103081,7

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: KR Application no.: 701980 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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.: 95939304,2

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration:

Application no.: MI96A000017 Patent no.: 1281596

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title:

GSM

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM Title:

Country of registration: JΡ Application no.: 8-522063 Patent no.:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: KR Application no.: 97-704355 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: NL Application no.: 1002023 Patent no.: 1002023 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: FR
Application no.: 9514477
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US
Application no.: 582915
Patent no.: 5729534

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CA
Application no.: 2207043
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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
Patent no.: -

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: NO 972629
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: US
Application no.: 08/860426
Patent no.: 5966374
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: FΙ Application no.: 950097 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

ETSI Deliverable:

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: AT Application no.: A1989/95 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: ΑU Application no.: 43927/96 Patent no.: 692036 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: DYNAMIC ALLOCATION OF RADIO CAPACITY IN A TDMA SYSTEM

Country of registration: SE Application no.: 9600060-9 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Virtual packet channel over cellular network

Country of registration: US Application no.: 724375 Patent no.: 5802465

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR Title:

HANDOVER OF A MOBILE STATION

Country of registration: US

Application no.: 08/591557CPA 5898925 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

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

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Virtual packet channel over cellular network

Country of registration: FI
Application no.: 933894
Patent no.: 97517

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 95100020,9

Patent no.: 95100020

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 Patent no.:

Countries applicable:

ible: AT, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: US
Application no.: 221079
Patent no.: 4868846

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: FΙ Application no.: 941652 95984 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM Country of registration: ΑU 2778795 Application no.:

Patent no.: 694242 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION Title:

SYSTEM

Country of registration: CN Application no.: 95192480.X

Patent no.:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FPO Application no.: 95915211,7

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: JΡ Application no.: 7-529392

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: NO Application no.: P960118 Patent no.:

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/817963 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

ETSI Deliverable:

Title: Virtual packet channel over cellular network

Country of registration: JΡ Application no.: 6-213046 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 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

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Method for de-allocation of GPRS phycial channel 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: **GSM**

Method for de-allocation of GPRS phycial channel Title:

Country of registration: RU Application no.:

99124596

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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: Nokia Corporation

Project: **GSM** Title:

Method for de-allocation of GPRS phycial channel

Country of registration: Application no.: 971697 Patent no.: 105136

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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 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

Project:

GSM

Title: Country of registration:

Method for de-allocation of GPRS phycial channel CN

Application no.:

98804343.2

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:

GSM

Title: A multi-function telephone apparatus

Country of registration: FI
Application no.: 902504
Patent no.: 88843
ETSI Deliverable: -

Notes:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: ME

METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION AND A SYSTEM

FOR EFFECTING PAYMENTS

Country of registration:

Application no.:
Patent no.:
ETSI Deliverable:

46247/96 696876

-

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 ARR

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: FI
Application no.: 942190
Patent no.: -

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: EPO 96931826.0

Countries applicable: HK 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.

Project: GSM

Title: METHOD TO REALIZE DISCONTINUOUS TRANSMISSION IN A MOBILE PHONE SYSTEM

Country of registration: US Application no.: 08/875652 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **GSM**

Title: Method for locking to the user's card in a portable radio telephone

Country of registration: FΙ Application no.: 873309 Patent no.: 77550 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: DK 884219 Application no.: Patent no.: 169158

Countries applicable: DE, FR, GB, IT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Method for locking to the user's card in a portable radio telephone Title:

Country of registration: Application no.: 88306554 Patent no.: 301740 Countries applicable: DE, FR, GB, IT, SE

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Method for locking to the user's card in a portable radio telephone Title:

Country of registration: Application no.: 88187037 Patent no.: 2786205

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU

64018/98

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,

Project: **GSM**

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.: 35239/95 Patent no.: 701594

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:

GSM Project:

Title: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: US Application no.: 08/591557

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: FΙ Application no.: 942702 Patent no.: 98427

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM Title:

Country of registration: CN Application no.: 95108589,1

Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM Title:

Country of registration: **EPO** Application no.: 95303825,4

Patent no.:

Countries applicable: AT, CH, DE, FR, GB, IT, LI, NL, SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM Title:

Country of registration:

Application no.: 658/MAS/95

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: .IP Application no.: 7-140936

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: NO Application no.: 964747 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: Application no.: 944487 Patent no.: 96557 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: FPO Application no.: 95918002,7

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CA Application no.: 2200308 Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: CN Application no.: 95195966,2 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: **EPO** Application no.: 95932031

Patent no.:

Countries applicable: ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: FI
Application no.: 971269
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: JP
Application no.: 8-511420
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Routing area updating in packet radio network

Country of registration: PH Application no.: I-114

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: SYSTEM FOR TRANSMITTING PACKET DATA IN RADIO TELEPHONE TDMA SYSTEM

Country of registration: US
Application no.: 462160
Patent no.: 5729541
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 17857/95
Patent no.: 708729
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 2410395
Patent no.: 688903
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: CN

Application no.: 95193002,8 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE Title:

TELECOMMUNICATIONS SYSTEM

Country of registration: FPO Application no.: 95918001

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: METHOD AND ARRANGEMENT FOR HIGH-SPEED DATA TRANSMISSION IN A TDMA MOBILE

TELECOMMUNICATIONS SYSTEM

Country of registration: JΡ 7529391 Application no.: Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM Country of registration: HK Application no.: 98112522,5

Patent no.: **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: JP Application no.: 7526100 Patent no.:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: US Application no.: 08/737447 Patent no.: 6005857

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: FΙ Application no.: 942038 Patent no.: 98426

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: A HIGH-SPEED DATA TRANSMISSION IN A DIGITAL MOBILE COMMUNICATION SYSTEM

Country of registration: SG Application no.: 9701460-9 Patent no.: 39174 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE Title:

Country of registration: CN Application no.: 95105074,5

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FPO Application no.: 95303040

Patent no.:

Countries applicable: AT, DE, FR, GB, IT, NL, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

GSM MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE Title:

Country of registration: IN

Application no.: 535/MAS/95

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: MULTISLOT PACKET TRANSMISSION IN DIGITAL CELLULAR TDMA AIR INTERFACE

Country of registration: US Application no.: 09/255325 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FΙ Application no.: 942191

Patent no.: 96468 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: AU
Application no.: 24104/95
Patent no.: 682112
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: METHOD AND ARRANGEMENT FOR EFFECTIVE TRANSMISSION POWER CONTROL AND/OR

HANDOVER OF A MOBILE STATION

Country of registration: CN

Application no.: 95190411,6

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: LOCATION UPDATING FOR A PACKET-SWITCHED DATA SERVICE IN A MOBILE COMMUNICATION

SYSTEM

Country of registration: US
Application no.: 718512
Patent no.: 5889770

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/732467 Patent no.: 5805301

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP
Application no.: 8-530745
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: HK
Application no.: 98109501,6

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: FPO Application no.: 96910043,7

Patent no.:

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

CN 96193866,8

Patent no.:

Notes:

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: CA Application no.: 2217693 Patent no.:

ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CA Application no.: 2188788 Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: FΙ Application no.: 951807 Patent no.: 101439

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title:

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: US Application no.: 08/930988 Patent no.: 5991716 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: NO Application no.: 964687 Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: KR Application no.: 706268 Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

ETSI Deliverable:

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: JP
Application no.: 8526639
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: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: HK
Application no.: 97101623,7

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: EPO
Application no.: 96904119
Patent no.: -

Countries applicable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: EPO 99305673.8

ETSI Deliverable: GSM 02.71, GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: AU
Application no.: 53363/96
Patent no.: 705619

ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Neighbour cell measurements for cell re-selection

Country of registration: JP

Application no.: 2000-568224 ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: 981638

Application no.:

ETSI Deliverable: GSM 02.71, GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Method and arrangement for managing a service in a mobile communications system Title:

Country of registration: HK

Application no.: 00106015.8

GSM 02.71, GSM 03.71 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration:

Application no.: 735/MAS/99

ETSI Deliverable: GSM 02.71, GSM 03.71

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: JP

Application no.: 11-204782 **ETSI Deliverable:**

GSM 02.71, GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: RU Application no.: 99115462

ETSI Deliverable: GSM 02.71, GSM 03.71

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: US

Application no.: 09/354187

ETSI Deliverable: GSM 02.71, GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Title: Country of registration: Application no.: NO 974705 Patent no.:

ETSI Deliverable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Neighbour cell measurements for cell re-selection

Country of registration: FI
Application no.: 981855
Patent no.: 107861
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: TRANSCODER WITH PREVENTION OF TANDEM CODING OF SPEECH

Country of registration: SG
Application no.: 9705023-1
Patent no.: 46046
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Neighbour cell measurements for cell re-selection

Country of registration: US
Application no.: 09/385109
Patent no.: 6377803
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: AU
Application no.: 22375/00
ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: BR **Application no.:** P10008450-6

ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: CN

Application no.: 00104099.5 ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: EPO
Application no.: 00911159.2
ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: AU
Application no.: 4833496
Patent no.: 702866

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Neighbour cell measurements for cell re-selection

Country of registration:EPOApplication no.:99939471.1ETSI Deliverable:GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method to differential compact and classic control channels

Country of registration: US

Application no.: 09/669508, 60/161892

ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: JP

Application no.: 2000-073232 ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: KR

 Application no.:
 10-2001-7011489

 ETSI Deliverable:
 TR TS 04.3504.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: MX

Application no.: 2001/009314 **ETSI Deliverable:** TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: NL
Application no.: 1014665
Patent no.: 1014665
ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: US
Application no.: 09/525884
ETSI Deliverable: TR 04 TS 04.35.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 96190165,9

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: Z/

 Application no.:
 2000/1333

 Patent no.:
 2000/1333

 ETSI Deliverable:
 TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: HK
Application no.: 01101533.1
ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet PSI status during unspecified update

Country of registration: US

 Application no.:
 10/004477, 60/260599

 ETSI Deliverable:
 TS 04.60, TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet PSI status during unspecified update

Country of registration: PCT

Application no.: PCT/IB02/00010 ETSI Deliverable: TS 04.60, TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Dynamic channel numbering for GSM

Country of registration: US

 Application no.:
 10/040896, 60/260486

 ETSI Deliverable:
 TS 45.005, 45.018, TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Dynamic channel numbering for GSM

Country of registration: PCT

Application no.: PCT/IB02/00012

ETSI Deliverable: TS 45.005, 45.018, TS 44.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **GSM**

Intelligent internet router Title:

Country of registration: **BR**

PI0013930-0 Application no.: **ETSI Deliverable:** TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: **GSM**

Title: Routing area updating in packet radio network

Country of registration: IN

Application no.: 119/MAS/98

ETSI Deliverable: GSM 04.07, GSM 04.64, GSM 03.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Adaptive length IES in fixed length broadcast message

Country of registration: PCT

Application no.: PCT/IB00/00346 **ETSI Deliverable:** TS 04.35

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Proiect: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: **EPO** Application no.: 96904117,7

Patent no.:

Countries applicable:

ETSI Deliverable: Notes:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: SG Application no.: 9611824-5 Patent no.: 34817

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

PACKET TRANSMISSION IN MOBILE TELECOMMUNICATIONS SYSTEMS

Country of registration: US

Application no.:

Title:

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,

Project: GSM

Title: FACSIMILE TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

Country of registration: FI
Application no.: 951020
Patent no.: 100213

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: US Application no.: 08/913558

Patent no.: -ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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.: 9705652-7
Patent no.: 50110
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: NO 974099
Patent no.:

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}.$

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration:

Application no.: 213/MAS/2000 TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: JP
Application no.: 8-526637
Patent no -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Adaptive length IES in fixed length broadcast message

Country of registration: IE
Application no.: 2000/0212
ETSI Deliverable: TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: CA Application no.: 2211095 Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Data transfer in a mobile telephone network

Country of registration: NL Application no.: 1009737 Patent no.: 1009737

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 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**

Data transfer in a mobile telephone network Title:

Country of registration:

Application no.: MI98A001897 Patent no.: 1302155

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Adaptive length IES in fixed length broadcast message Title:

Country of registration: Application no.: 990591 Patent no.: 108267 **ETSI Deliverable:** TS 04.35

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: HK Application no.: 98102849,2

Patent no.: **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: KR

Application no.: 706020/1997

Patent no.:

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: FI
Application no.: 990039
ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Title: Intelligent internet router

Country of registration: CN

Application no.: 00812801.4 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM Title: HIGH

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Country of registration: CN

Application no.: 96192381,4

Patent no.: ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM Title: Method

Method and arrangement for transferring information in a packet radio service

Country of registration: JP
Application no.: 11-336821
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: US
Application no.: 09/447988
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: BR

Application no.: P19905907-0 **ETSI Deliverable:** TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Intelligent internet router

Country of registration: CA

Application no.: PCT/EP00/03478
ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: EF

Application no.: 00300178.1, 01309686.2, 01204507.6

ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: CN

Application no.: 99110495.1

ETSI Deliverable: GSM 02.71, GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: HK

Application no.: 98101125,9

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: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: EPO **Application no.:** 96913557

Patent no.:

Countries applicable: ETSI Deliverable:

AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: CN Application no.: 9619046,.5

Patent no.: - ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: CA
Application no.: 2193379
Patent no.: -

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: KR

 Application no.:
 7004651/2002

 ETSI Deliverable:
 TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: FI
Application no.: 952256
Patent no.: 98174

ETSI Deliverable:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: CN

00101039.5, 01143124.5, 01143122.9

Application no.: 00101039 ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Intelligent internet router

Country of registration: JP

Application no.: 2001-524310 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: US

Application no.: PCT/EP99/07596 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: JP

Application no.: 2001-530235 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: EPO
Application no.: 99950691.8
ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: CN
Application no.: 99816942.0
ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: CA

Application no.: PCT/EP99/07596 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Synchronization of protocol remapping

Country of registration: AU 63372/99 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSN

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: FI
Application no.: 982577
Patent no.: 108203
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM Title: Intelli

Intelligent internet router

Country of registration: US
Application no.: 10/015134
ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: ES
Application no.: 200150048
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Intelligent internet router

Country of registration: EPO 00922643.2 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: BR
Application no.: P19915676-8
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: CA
Application no.: 2354062
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Tolloy, in respect of the STANDARD, to the extent that the in its remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: CN
Application no.: 99813827.4
ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: Method and arrangement for transferring information in a packet radio service

Country of registration: EPO 99308864.0 ETSI Deliverable: TS 44.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSN

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: HK

Application no.: 00107551.6 **ETSI Deliverable:** TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Intelligent internet router

Country of registration: PCT

Application no.: PCT/EP00/03478
ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title:

An improved spectral parameter substitution for the speech frame error concealment in a speech decoder

Country of registration: PCT
Application no.: PCT/B01/01950
ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: DATA TRANSMISSION SYSTEM WITH SLIDING-WINDOW DATA FLOW CONTROL

Country of registration: AU
Application no.: 5650696
Patent no.: 708324
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic

channels

US Country of registration: Application no.: 10/021748 **ETSI Deliverable:** TS 45.003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic

channels PCT

Country of registration: PCT/FI01/00946 Application no.: **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: A novel method for estimating artificial higher band signal using voice activity information

Country of registration: US Application no.: 09/691323 ETSI Deliverable: TS 26.190

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: A novel method for estimating artificial higher band signal using voice activity information

Country of registration: PCT

PCT/IB01/01596 Application no.: **ETSI Deliverable:** TS 26.190

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Title: An improved LTP-parameter substitution for the frame error concealment in a speech decoder

Country of registration: US Application no.: 09/702540 **ETSI Deliverable:** TS 26.191

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Bit ordering according to channel bit error rate in punctured convolutional codes for speech traffic

channels Country of registration: FΙ Application no.: 20002399 **ETSI Deliverable:** TS 45 003

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

An improved spectral parameter substitution for the speech frame error concealment in a speech decoder

Title: Country of registration: US

Application no.: 09/918300, 60/242498

ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: High frequency enhancement layer coding in wide band speech codec

Country of registration: PCT

Application no.:PCT/IB01/01947ETSI Deliverable:T 26.190, TS 26.19

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Comfort noise generation system utilizing stationarity information of background noise

Country of registration: US

Application no.: 09/970091, 60/253170

ETSI Deliverable: TS 26.192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Comfort noise generation system utilizing stationarity information of background noise

Country of registration: PCT

Title:

Application no.: PCT/IB01/02235

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet radio telephone services

Country of registration: EPO 98947586.8

ETSI Deliverable: GSM 05.10, GSM 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet radio telephone services

Country of registration: FI **Application no.:** 974290

ETSI Deliverable: GSM 05.10, GSM 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet radio telephone services

Country of registration: JP

Application no.: 2000-520596

ETSI Deliverable: GSM 05.10, GSM 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Packet radio telephone services

Country of registration: US

Application no.: 09/189590

ETSI Deliverable: GSM 05.10, GSM 03.64

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and arrangement for managing a service in a mobile communications system

Country of registration: AU Application no.: 39157/99

ETSI Deliverable: GSM 02.71, GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: An improved LTP-parameter substitution for the frame error concealment in a speech decoder

Country of registration: PCT Application no.: PCT/IB01/02021

ETSI Deliverable: TS 26.191

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

GERAN radio access bearers Title:

Country of registration: GB

Application no.: 0031296.7, 0003892.7

ETSI Deliverable: TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: KR

Application no.: 2000-579, 2001-68620, 2001-68621

ETSI Deliverable: TS 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: US Application no.: 09/480071 **ETSI Deliverable:** TS 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: **PCT**

Application no.: PCT/FI00/00016

ETSI Deliverable: TS 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

GSM Project:

Title: Mobile equipment based filtering

Country of registration: US

Application no.: 09/457952

ETSI Deliverable: GSM 05.08, TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **GSM**

Mobile equipment based filtering Title:

Country of registration: PCT

PCT/IB00/01718 Application no.: **ETSI Deliverable:** GSM 05.08, TS 04.60

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: GERAN radio access bearers

Country of registration: BR

Application no.: P10104591.1 ETSI Deliverable: TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: GERAN radio access bearers

Country of registration: CA
Application no.: 2370664
ETSI Deliverable: TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: GSM

Title: GERAN radio access bearers

Country of registration: EPO 01919304.4 ETSI Deliverable: TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: Method and devices for implementing a continued packet-switched radio connection

Country of registration: JP

Application no.: 2000-6213, 2002-3642, 2002-3653

ETSI Deliverable: TS 04.60

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: GERAN radio access bearers

Country of registration: JP

Application no.: 2001-560574 **ETSI Deliverable:** TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: GERAN radio access bearers

Country of registration: KR

Application no.: 7013262/2001 ETSI Deliverable: TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: GSM

Title: GERAN radio access bearers

Country of registration: US

 Application no.:
 09/937949

 ETSI Deliverable:
 TS 43.051

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: High frequency enhancement layer coding in wide band speech codec

Country of registration: UŠ 09/691440

Application no.:

T 26.190, TS 26.192 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

NTT Company name: Project: **GSM**

Method and Apparatus for Multiplexed Vector Quantization Title:

Country of registration: EPO

EP 0 314 018 Patent no.: Countries applicable: CH, DE, FR, GB

Company name: NTT Project: **GSM**

Method and Apparatus for Multiplexed Vector Quantization Title:

Country of registration: Patent no.: 4 992 508 Countries applicable: US

Company name: NTT **GSM** Project:

Title: Speech Coding Method and Apparatus for the same

Country of registration:

EP 96202584.7 (Divided out of EP 93401656.9) Application no.:

Countries applicable: DE, FR, GB, IT

NTT Company name: Project: **GSM**

Sound Synthesizer Title:

Country of registration: GB 2 131 659 Patent no.: Countries applicable: GB

Company name: NTT Project: **GSM**

Method and Apparatus for Multiplexed Vector Quantization Title:

Country of registration: JΡ Patent no.: 2 061 805 Countries applicable: JΡ

NTT Company name: Project: **GSM**

Title: Method and Apparatus for Multiplexed Vector Quantization

Country of registration: CA 1 311 060 Patent no.: Countries applicable: CA

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: NI Patent no.: 8 005 449 Countries applicable: NL

Company name: NTT Project: **GSM**

Sound Synthesizer Title:

Country of registration: US 4 393 272 Patent no.: Countries applicable: US

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: CA 1 157 5634 Patent no.: Countries applicable: CA

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: FR 2 766 828 Patent no.: Countries applicable: FR

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: GB Patent no.: 2 059 726 Countries applicable: GB

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: DE Patent no.: 3 037 276

Countries applicable: DE

Company name: NTT Project: **GSM**

Title: Sound Synthesizer

Country of registration: SE Patent no.: 8 006 850 Countries applicable: SE

NTT Company name: Project: **GSM**

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

Country of registration: US 5 396 576 Patent no.: Countries applicable: US

Company name: NTT Project: **GSM**

Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks

Country of registration: **EPO** Patent no.: EP 0 514 912 Countries applicable: DE, FR, GB

Company name: NTT **GSM** Project:

Speech Coding Method and Apparatus for the same Title:

Country of registration: EPO Application no.: EP 93401656.9 Countries applicable: DE, FR, GB, IT

Company name: NTT Project: **GSM**

Title: Speech Coding Method and Apparatus for the same

Country of registration: US 08/082 103 Application no.: Countries applicable: US

Company name: NTT Project: **GSM**

Title: All-pole Digital Filter

Country of registration: JΡ Patent no.:

JP 63 - 32288

Countries applicable: JΡ

Company name: NTT Project: **GSM**

Title: Speech Coding-Decoding Method

Country of registration: JĖ

JP3 - 117646 Patent no.:

JΡ Countries applicable:

Company name: NTT Project: **GSM**

Title: **Encoding and Decoding Method for Speech Excitation Signals**

Country of registration: JΡ

Patent no.: JP3 - 167124

Countries applicable: JΡ

Company name: Omnipoint Project: **GSM**

Title: Multipulse LPC Speech Processing Arrangement

Country of registration: GB

Patent no.: 0 175 752 GB

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.

Philips Company name: Project: GSM

Title: Multi-pulse excitation linear-predictive speech coder

EPO Country of registration: Application no.: 86200434.8 Patent no.: EP 0 195 487 B1

Company name: **Philips** GSM Project: Country of registration: **EPO** Application no.: 87200545.9 Patent no.: EP 0 240 073 B1

Company name: **Philips** Project: GSM

Title: Dienstintegriertes Funkübertragungssystem

Country of registration: **EPO** Application no.: 86200724.2 EP 0 201 126 B1 Patent no.:

Company name: **Philips** Project: **GSM** Country of registration:

Patent no.: DE-PS 34 10 937

Company name: **Philips** Project: GSM

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys.

Country of registration: Application no.: 83201766.9 Patent no.: EP 0 111 971 B1

Company name: **Philips** Project: **GSM**

Multiple-access communications system Title:

Country of registration: FPO Application no.: 84201107.4 EP 0 134 057 Patent no.:

Company name: **Philips** Project: GSM

Title: Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation

bestehenden Funkverbindung

Country of registration: Application no.: 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: Application no.: 8504296 FR 256 184 1 Patent no.:

Countries applicable: FR Company name: Philips

Project: GSM Country of registration: DE

DE-PS 32 09 381 Patent no.:

Company name: Philips Project: GSM

Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems

Country of registration: EPO
Application no.: 82107529.8
Patent no.: EP 0 073 014 B1

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: Information transmission system

Country of registration: GB
Application no.: 8008510
Patent no.: GB 2063011
Countries applicable: GB

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: 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: Philips

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: Philips

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: Improvements in or relating to Digital Filters

GSM

Country of registration: GB 8104155
Patent no.: GB 2069799
Countries applicable: GB

Company name: Philips

Project:

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: GSM

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: **GSM**

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: **EPO** Application no.: 83201765.1 EP 0 111 970 B1 Patent no.:

Philips Company name: Project: **GSM**

Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene

Organisationskanäle eines Funkübertragungssys

Country of registration: **EPO** Application no.: 83201765.1 EP 0 111 970 B1 Patent no.:

Company name: **Philips** Project: **GSM**

Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems

Country of registration: **EPO** 82107529.8 Application no.: Patent no.: EP 0 073 014 B1

Philips Company name: Project: GSM

Improvements in or relating to Digital Filters Title:

Country of registration: GB Application no.: 8104155 Patent no.: GB 2069799 Countries applicable: GR

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Radio Link counting Invalid Messages

Country of registration: AT

83201768.5 Application no.: Patent no.: E46802 Countries applicable: ΑT **ETSI Deliverable:**

GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

GSM Project:

Title: Traffic Load Distribution over Control Channels

Country of registration: FΙ Application no.: 834598 Patent no.: 75965 Countries applicable: FΙ

ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: FR Application no.: 83201768.5 Patent no.: 0111973 Countries applicable: FR **ETSI Deliverable:** GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Control Channel Selection Channel Refs

Country of registration: CA Application no.: 443365 Patent no.: 1230384 Countries applicable: CA **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Control Channel Selection Channel Refs

Country of registration: DE

Application no.: 83201767.7 Patent no.: 3380016 Countries applicable: DF ETSI Deliverable: GSM 04.08

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration: Application no.: 83201767.7 Patent no.: 0111972 Countries applicable: FR **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Radio Link counting Invalid Messages Title:

Country of registration: FΙ Application no.: 834625 Patent no.: 76657 Countries applicable: FΙ **ETSI Deliverable:**

GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Radio Link counting Invalid Messages Title:

Country of registration: FS 528102 Application no.: Patent no.: 528102 Countries applicable: ES GSM 05.08 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Radio Link counting Invalid Messages

Country of registration: DE Application no.: 83201768.5 Patent no.: 3380660 Countries applicable: DE ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Radio Link counting Invalid Messages Title:

Country of registration: CH Application no.: 83201768.5 Patent no.: 0111973 Countries applicable: CH **ETSI Deliverable:** GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: ZA Application no.: 83-9201 Patent no.: 83-9201 Countries applicable: ZA ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Radio Link counting Invalid Messages Title:

Country of registration: 83201768.5 Application no.: Patent no.: 0111973 Countries applicable: BE

GSM 05.08 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

ETSI Deliverable:

Traffic Load Distribution over Control Channels Title:

Country of registration: HK Patent no.: 91-917 Countries applicable: HΚ GSM 05.02 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration: US Application no.: 06/562383 4633509 Patent no.: Countries applicable: US ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

GSM Project:

Control Channel Selection Channel Refs Title:

Country of registration: SE Application no.: 83201767.7 Patent no.: 0111972 Countries applicable: SE **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Title: Control Channel Selection Channel Refs

Country of registration: JΡ

Application no.: 83-236508 2879056 Patent no.: Countries applicable: .IP

ETSI Deliverable: GSM 04.08 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM Title: Authentication

Country of registration: CA
Application no.: 477182
Patent no.: 1242501
Countries applicable: CA
ETSI Deliverable: GSM 03.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration:GBApplication no.:83201767.7Patent no.:0111972Countries applicable:GBETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM
Title: Authentication
Country of registration: DK

Country of registration: DK
Application no.: 85-1285
Countries applicable: DK
ETSI Deliverable: GSM 03.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: GB
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: GB
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration:FRApplication no.:83201766.9Patent no.:0111971Countries applicable:FRETSI Deliverable:GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: SE

Application no.: 83201768.5
Patent no.: 0111973
Countries applicable: SE
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: ZA
Application no.: 83-9204
Patent no.: 83-9204
Countries applicable: ZA
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: CA
Application no.: 443364
Patent no.: 1241379
Countries applicable: CA
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: NL
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: NL
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: CA
Application no.: 443366
Patent no.: 1225701
Countries applicable: CA
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: BE
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: BE
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: AU
Application no.: 83-22437
Patent no.: 563905
Countries applicable: AU
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: AT

Application no.: 83201766.9 Patent no.: E26518 Countries applicable: AT ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: 06/562385 Application no.: Patent no.: 4551852 Countries applicable: US **ETSI Deliverable:** GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: SF Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: SF **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: NO 834613 Application no.: Patent no.: 162987 Countries applicable: NO GSM 05.02 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Radio Link counting Invalid Messages

Country of registration: NL Application no.: 83201768.5 Patent no.: 0111973 Countries applicable: NL ETSI Deliverable: GSM 05.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Radio Link counting Invalid Messages Title:

Country of registration: Application no.: 83-235209 Patent no.: 1957562 Countries applicable: JΡ **ETSI Deliverable:** GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: JP

Application no.: 96-327815
Patent no.: 2829317
Countries applicable: JP
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration:BEApplication no.:83201767.7Patent no.:0111972Countries applicable:BEETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration:GBApplication no.:83201768.5Patent no.:0111973Countries applicable:GBETSI Deliverable:GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: DK
Application no.: 83-5766
Patent no.: 156865
Countries applicable: DK
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: CH
Application no.: 83201766.9
Patent no.: 0111971
Countries applicable: CH
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration:SEApplication no.:83201766.9Patent no.:0111971Countries applicable:SEETSI Deliverable:GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: Application no.: 06/562382 Patent no.: 4573206 Countries applicable: US ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: JP Application no.: 83-235207 Patent no.: 2134945 Countries applicable: JΡ **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: IT

Application no.: 83201766.9 Patent no.: 0111971 Countries applicable: IT **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: NO Application no.: 834614 Patent no.: 162988 Countries applicable: NO GSM 05.02 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: DE Application no.: 83201766.9 Patent no.: 3370925 Countries applicable: DE ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: NL **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: JP

Application no.: 96-327814
Patent no.: 2829316
Countries applicable: JP
ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Control Channel Selection Channel Refs

Country of registration: AU
Application no.: 83-22438
Patent no.: 574055
Countries applicable: AU
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: NO
Application no.: 834670
Patent no.: 162989
Countries applicable: NO
ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Radio Link counting Invalid Messages

Country of registration: IT
Application no.: 83201768.5
Patent no.: 0111973
Countries applicable: IT

ETSI Deliverable: GSM 05.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: JP
Application no.: 96-99331
Countries applicable: JP
ETSI Deliverable: GSM 03.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: GB

Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: GB
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration:

Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: FR ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: Application no.: 87200545.9 Patent no.: 2039425 Countries applicable: ES **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Two Stage Channel Selection Method Title:

Country of registration: DF Application no.: P3611301.8 Patent no.: 3611301 Countries applicable: DF

ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration: DF 87200545.9 Application no.: Patent no.: 3784087 Countries applicable: DE **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: CH Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: CH ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: CA Application no.: 533695 Patent no.: 1274280 Countries applicable: CA **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Two Stage Channel Selection Method

Country of registration:

Application no.: 87200545.9 Patent no.: 0240073 Countries applicable: IT ETSI Deliverable: GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: AT

87200545.9 Application no.: Patent no.: E85741 Countries applicable: AT **ETSI Deliverable:** GSM 04.08

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Two Stage Channel Selection Method Title:

Country of registration: JΡ Application no.: 87-77653 Patent no.: 2735545 Countries applicable: .IP **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM Authentication Title: Country of registration: JP 93-12468 Application no.: Patent no.: 2759732

Countries applicable: JΡ GSM 03.02 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: AT

Application no.: 83201765.1 Patent no.: E26517 Countries applicable: AT ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Random Access Mechanism in Mobile Title:

Country of registration: US Application no.: 06/885764 Patent no.: 4815073 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: US
Application no.: 06/407691
Patent no.: 5088094
Countries applicable: US
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: SE
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: SE
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: NO
Application no.: 822846
Patent no.: 157760
Countries applicable: NO
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: JP
Application no.: 82-143486
Patent no.: 1645638
Countries applicable: JP
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: KR
Application no.: 90-7580
Patent no.: 145296
Countries applicable: KR
ETSI Deliverable: GSM 03.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: AU
Application no.: 87-70993
Patent no.: 599967
Countries applicable: AU
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: GB

Application no.: 90202303.5
Patent no.: 0415502
Countries applicable: GB
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: JP
Application no.: 90-133718
Countries applicable: JP
ETSI Deliverable: GSM 03.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: EPO
Application no.: 90201290.5
Countries applicable: EPO
ETSI Deliverable: GSM 03.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Asymmetric Traffic

Country of registration: AU
Application no.: 90-55949
Patent no.: 641103
Countries applicable: AU
ETSI Deliverable: GSM 03.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: US
Application no.: 07/575116
Patent no.: 5212684
Countries applicable: US
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: TW
Application no.: 79108476
Patent no.: 54206
Countries applicable: TW
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: SE

Application no.: 90202303.5
Patent no.: 0415502
Countries applicable: SE
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: JP
Application no.: 90-227867
Patent no.: 3113671
Countries applicable: JP
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: GB
Application no.: 87200545.9
Patent no.: 0240073
Countries applicable: GB
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: IT
Application no.: 90202303.5
Patent no.: 0415502
Countries applicable: IT
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: FR
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: FR
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration:FRApplication no.:90202303.5Patent no.:0415502Countries applicable:FRETSI Deliverable:GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: **Dual Mode DECT/GSM SYSTEM**

Country of registration:

Application no.: 90202303.5 Patent no.: 2104577 Countries applicable: ES ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: 90202303.5 Application no.: Patent no.: 69030851 Countries applicable: DE

ETSI Deliverable: GSM 01.48 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: CA Application no.: 2024216 Patent no.: 2024216 Countries applicable: CA

ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: ΑIJ Application no.: 83-22436 Patent no.: 560105 Countries applicable: ΑU ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: ΑU Application no.: 90-61952 Patent no.: 649959 Countries applicable: ΑU ETSI Deliverable: GSM 01.48

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Two Stage Channel Selection Method Title:

Country of registration: US Application no.: 07/032416 Patent no.: 4850033 Countries applicable: US **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Two Stage Channel Selection Method

Country of registration: SE

Application no.: 87200545.9
Patent no.: 0240073
Countries applicable: SE
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Dual Mode DECT/GSM SYSTEM

Country of registration: FI
Application no.: 904256
Countries applicable: FI
ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: CA
Application no.: 504510
Patent no.: 1243121
Countries applicable: CA
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: IT
Application no.: 82107529.8
Patent no.: 0073014
Countries applicable: IT
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration:SEApplication no.:86200434.8Patent no.:0195487Countries applicable:SEETSI Deliverable:GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: NL

Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: NL
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: JP
Application no.: 86-63888
Patent no.: 2511871
Countries applicable: JP
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration:

Application no.: 86200434.8

Patent no.: 0195487

Countries applicable: IT

ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: GB
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: GB
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: FR
Application no.: 86200434.8
Patent no.: 0195487
Countries applicable: FR
ETSI Deliverable: GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Short Message Services

Country of registration: AT

Application no.: 86200724.2
Patent no.: E91210
Countries applicable: AT
ETSI Deliverable: GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration:CHApplication no.:86200434.8Patent no.:0195487Countries applicable:CHETSI Deliverable:GSM 06.10

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: **Short Message Services**

Country of registration: ΑU 86-57048 Application no.: Patent no.: 587616 Countries applicable: ΑU ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Regular Pulse Excitation Speech Codec

Country of registration: BE 86200434.8 Application no.: Patent no.: 0195487 Countries applicable: BE **ETSI Deliverable:** GSM 06.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project:

Regular Pulse Excitation Speech Codec Title:

Country of registration: ΑU Application no.: 86-54993 Patent no.: 577454 Countries applicable: ΑU **ETSI Deliverable:** GSM 06.10

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Timing Advanced in Mobile Title:

Country of registration: US 06/358753 Application no.: Patent no.: 4472802 Countries applicable: US GSM 05.02 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Timing Advanced in Mobile

Country of registration: GB Application no.: 8207811 Patent no.: 2095516 Countries applicable: GB ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Timing Advanced in Mobile Title:

Country of registration: FR Application no.: 8105633 Patent no.: 2502426 Countries applicable: FR **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Timing Advanced in Mobile

Country of registration:

Application no.: P3209381.0 Patent no.: 3209381 Countries applicable: DF ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Timing Advanced in Mobile Title:

Country of registration: CA 398702 Application no.: Patent no.: 1186426 Countries applicable: CA **ETSI Deliverable:** GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Timing Advanced in Mobile Title:

Country of registration: ΑU Application no.: 82-81604 Patent no.: 557246 Countries applicable: AU **ETSI Deliverable:** GSM 05.02

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project:

Regular Pulse Excitation Speech Codec Title:

Country of registration: DF 86200434.8 Application no.: Patent no.: 3663863 Countries applicable: DE ETSI Deliverable: GSM 06.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: **Short Message Services**

Country of registration: SE 86200724.2 Application no.: Patent no.: 0201126 Countries applicable: SE ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Random Access Mechanism in Mobile Title:

Country of registration: ES Application no.: 515148 Patent no.: 515148 Countries applicable: ES **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: DK
Application no.: 82-3639
Patent no.: 160121
Countries applicable: DK
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration:DEApplication no.:82107529.8Patent no.:3267443Countries applicable:DEETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration:CHApplication no.:82107529.8Patent no.:0073014Countries applicable:CHETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: CA
Application no.: 409755
Patent no.: 1202096
Countries applicable: CA
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration: AU
Application no.: 82-87406
Patent no.: 557944
Countries applicable: AU
ETSI Deliverable: GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Random Access Mechanism in Mobile

Country of registration:ATApplication no.:82107529.8Patent no.:E16549Countries applicable:ATETSI Deliverable:GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: Regular Pulse Excitation Speech Codec

Country of registration: Application no.: 06/841906 Patent no.: 4932061

Countries applicable: US ETSI Deliverable: GSM 06.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: **Short Message Services**

Country of registration: US 06/856916 Application no.: Patent no.: 4748681 Countries applicable: US **ETSI Deliverable:** GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Dual Mode DECT/GSM SYSTEM Title:

Country of registration: BR Application no.: PI9004274 Patent no.: PI9004274 Countries applicable: BR

ETSI Deliverable: GSM 01.48

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Short Message Services Title:

Country of registration: JP 95-61236 Application no.: Patent no.: 2637380 Countries applicable: JΡ GSM 02.03 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: **Short Message Services**

Country of registration: JP Application no.: 86-99522 Patent no.: 2583489 Countries applicable: JΡ ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: **Short Message Services**

Country of registration:

Application no.: 86200724.2 Patent no.: 0201126 Countries applicable: IT **ETSI Deliverable:** GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: **Short Message Services**

Country of registration: GB

Application no.: 86200724.2 Patent no.: 0201126 Countries applicable: GB ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: **Short Message Services**

Country of registration: FR

86200724.2 Application no.: Patent no.: 0201126 Countries applicable: FR **ETSI Deliverable:** GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Short Message Services Title:

Country of registration: DK Application no.: 86-2006 Patent no.: 170869 Countries applicable: DΚ

ETSI Deliverable: GSM 02.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Short Message Services Title:

Country of registration: DF 86200724.2 Application no.: Patent no.: 3688635 Countries applicable: DE ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: **Short Message Services**

Country of registration: CH 86200724.2 Application no.: Patent no.: 0201126 Countries applicable: CH ETSI Deliverable: GSM 02.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Random Access Mechanism in Mobile Title:

Country of registration: AR Application no.: 290378 Patent no.: 231891 Countries applicable: AR **ETSI Deliverable:** GSM 04.08

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: GSM

Title: Transmission System Using Block Coder

Country of registration: US

Application no.: 09/316996

Countries applicable:

US GSM 05.09 GSM 05.03

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Variable Time Slot Duration

Country of registration: US
Application no.: 06/891982
Patent no.: 4763322
Countries applicable: US
ETSI Deliverable: GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Authentication

Country of registration: DE

Application no.: P3448393.4
Patent no.: 3448393
Countries applicable: DE
ETSI Deliverable: GSM 03.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Transmission System Using Block Coder

Country of registration: EPO
Application no.: 99919484.8
Countries applicable: EPO

ETSI Deliverable: GSM 05.09 GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Transmission System Using Block Coder

Country of registration:

Application no.: IN/PCT/00/00008

Countries applicable: IN

ETSI Deliverable: GSM 05.09 GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Transmission System Using Block Coder

Country of registration: JP Application no.: 00-551507 Countries applicable: JP

ETSI Deliverable: GSM 05.09 GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration:

Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: BF ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Transmission System Using Block Coder Title:

Country of registration: Application no.: 87108464 Patent no.: 114463 Countries applicable: TW

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Variable Time Slot Duration Title:

Country of registration: JP. Application no.: 86-175839 Patent no.: 2737873 Countries applicable: .IP **ETSI Deliverable:** GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Traffic Load Distribution over Control Channels Title:

Country of registration: GB Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: GB ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: CA Application no.: 443367 Patent no.: 1230385 CA Countries applicable: ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: CH Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: CH **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM** Title: Authentication

Country of registration: JΡ Application no.: 85-60508 Patent no.: 2130818 Countries applicable: JP ETSI Deliverable: GSM 03.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM Authentication Title:

Country of registration: FR Application no.: 8504296 Patent no.: 2561841 Countries applicable: FR **ETSI Deliverable:** GSM 03.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Asymmetric Traffic Title:

Country of registration: US Application no.: 07/527987 Patent no.: 5117423 Countries applicable: US

ETSI Deliverable: GSM 03.10

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Title: Transmission System Using Block Coder

Country of registration: SG 00-00370.7 Application no.: Countries applicable: SG

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration: DE Application no.: 83201765.1 Patent no.: 3370924 Countries applicable: DE **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Variable Time Slot Duration

Country of registration: GB Application no.: 86201267.1 0210698 Patent no.: Countries applicable: GB **ETSI Deliverable:** GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Transmission System Using Block Coder

Country of registration: KR

Application no.: 10-2000-7000819

Countries applicable: KR

ETSI Deliverable: GSM 05.09 GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

GSM Project:

Title: Traffic Load Distribution over Control Channels

Country of registration:

Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: FR **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Philips Electronics N.V. Company name:

Project: **GSM**

Title: Traffic Load Distribution over Control Channels

Country of registration: FΙ Application no.: 834597 Patent no.: 76233 Countries applicable: FΙ ETSI Deliverable: GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Traffic Load Distribution over Control Channels

Country of registration: JΡ Application no.: 83-236510 2134946 Patent no.: Countries applicable: JΡ ETSI Deliverable: GSM 05.02

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Traffic Load Distribution over Control Channels Title:

Country of registration:

Application no.: 83201765.1 Patent no.: 0111970 Countries applicable: IT **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Variable Time Slot Duration

Country of registration: CH

Application no.: 86201267.1 0210698 Patent no.: Countries applicable: CH **ETSI Deliverable:** GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: **GSM**

Title: Variable Time Slot Duration

Country of registration: IT

Application no.: 86201267.1 Patent no.: 0210698 Countries applicable: IT ETSI Deliverable: GSM 03.34

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Variable Time Slot Duration Title:

Country of registration: DE 86201267.1 Application no.: Patent no.: 3688661 Countries applicable: DE **ETSI Deliverable:** GSM 03.34

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: **GSM**

Transmission System Using Block Coder Title:

Country of registration: CN Application no.: 99800832.X

Countries applicable: CN

ETSI Deliverable: GSM 05.09 GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

Project: GSM

Title: Variable Time Slot Duration

Country of registration: FR Application no.:

86201267.1 0210698 Patent no.: Countries applicable: FR ETSI Deliverable: GSM 03.34

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Philips Electronics N.V.

GSM Project:

Traffic Load Distribution over Control Channels Title:

Country of registration: DK Application no.: 83-5767 Patent no.: 157281 Countries applicable: DK **ETSI Deliverable:** GSM 05.02

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Robert Bosch GmbH Company name:

Project:

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: DE

540808

Patent no.: Countries applicable:

AT, 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

Company name: Robert Bosch GmbH

Project: GSM

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

DF

Country of registration:

Application no.: 292374/92

Countries applicable: JP Notes: Th

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance 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
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: 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: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: DE

Patent no.: 4136147 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: Robert Bosch GmbH

Project: GSM

Title: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: DE
Patent no.: 5390216
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: Robert Bosch GmbH

Project: GSM

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

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

Company name: Robert Bosch GmbH

Project: GSM

Title: Data transmission method especially in GSM communication system

Country of registration: DE

Application no.: 97119761.1

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: Method for decoding binary signals

Country of registration: DE

Application no.: EP 92118663.1 **Patent no.:** 542065

Countries applicable: BE, CH, ES, FI, FR, GB, IT, NL, SE

ETSI Deliverable: GSM 06.21, V5.0.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Robert Bosch GmbH

Project: GSM

Title: Method for decoding binary signals

Country of registration: DE
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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Robert Bosch GmbH

Project: GSM

Title: Method for decoding binary signals

Country of registration: DE Application no.: 925170 Countries applicable: FI

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

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:DEPatent no.:5395/84Countries applicable:CHETSI 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: 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.: 195

Application no.: 19544367.5 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

Company name: Robert Bosch GmbH

Project: GSM

Title: Electronic crypto-memory module

Country of registration: DE
Patent no.: 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: Synchronisation method for mobile telephone of GSM standard with beginning, normal and end

synchronisation

Country of registration: DE 106164
Countries applicable: FI

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance 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.: 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

Title: Data transmission method

Country of registration: DE **Patent no.:** 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

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: Data transmission method especially in GSM communication system

Country of registration: DE
Application no.: 19650141.5
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

Project: **GSM** Country of registration: FR 9-189917 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 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: 07/15/97.

Company name: Schlumberger Systèmes **GSM**

Project: Country of registration: Patent no.:

FR 96/08916 Countries applicable: FR

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the Notes:

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: 15/07/96.

Schlumberger Systèmes Company name: **GSM**

Project: Country of registration: Patent no.:

FR 97/9479 ZA

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: 10/23/97.

Company name: Schlumberger Systèmes

Project: GSM Country of registration: FR

Patent no.: 97/401620.6 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 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: 07/07/97

Company name: Schlumberger Systèmes **GSM**

Project: Country of registration:

FR Patent no.: 9702459-0

Countries applicable: 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 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: 07/14/97

Project: Country of registration: Patent no.:

FR 60/133,300

GSM

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: 05/10/99.

Company name: Schlumberger Systèmes **GSM**

Project:

Country of registration:

Patent no.:

Countries applicable:

Notes:

FR PCT/US98/17605

PCT

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: 08/25/98.

Company name:

Schlumberger Systèmes

Project: Country of registration:

Patent no.:

Countries applicable:

Notes:

GSM

FR 08/932,270 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 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

Project:

Country of registration:

Patent no.:

Countries applicable:

Notes:

GSM

FR 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 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: 06/20/97.

Company name: Schlumberger Systèmes **GSM**

Project: Country of registration:

FR Patent no.:

Countries applicable: US

Notes:

09/156,371

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and 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: 09/17/98.

Project: Country of registration:

FR 60/059,382

Patent no.: Countries applicable:

US

GSM

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: 09/19/97.

Company name:

Schlumberger Systèmes

Project:

GSM FR

Country of registration: Patent no.:

11-518753

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 Non-discriminatory terms and conditions under such patent applications and patents in accordance with Annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/18/98.

Company name:

Schlumberger Systèmes

Project:

GSM FR

Country of registration: Patent no.:

08/892,813

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: 07/15/97.

Company name:

Schlumberger Systèmes

Project:

GSM

Country of registration:

FR

Patent no.:

98 801156.5 CN

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: 09/18/98.

Schlumberger Systèmes

Company name: Project:

GSM

Country of registration:

FR

Patent no.:

08/957,512

Countries applicable: Notes:

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 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.

Project: Country of registration: Patent no.:

FR 60/029,057

GSM

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: 10/25/96.

Company name:

Schlumberger Systèmes

Project:

GSM FR

Country of registration: Patent no.: Countries applicable:

86115695

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: 10/23/97.

Company name:

Schlumberger Systèmes

Project:

GSM FR

Country of registration: Patent no.:

PI 9704974

Countries applicable:

MY

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: 10/22/97.

Company name:

Schlumberger Systèmes

Project:

GSM

Country of registration:

FR

Patent no.:

2397/MAS/97

Countries applicable:

IN

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: 10/23/97.

Company name:

Schlumberger Systèmes

Project:

GSM

Country of registration:

FR 98/946 633.9

Patent no.:

Countries applicable: Notes:

EPO

SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and Non-discriminatory terms and conditions under such patent applications and patents in accordance with Annex 6, paragraph 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/18/98.

Project: **GSM** Country of registration: FR 217/97 Patent no.:

Countries applicable: ΑE 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: 10/25/97.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

PCT/US97/18999 Patent no.:

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 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.

Schlumberger Systèmes Company name:

Project: **GSM** Country of registration: FR

Patent no.: 97/936 723.2 **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 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: 07/31/97.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

Patent no.: 10-507676

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 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: 07/31/97.

Company name: Schlumberger Systèmes

Project: **GSM** Country of registration: FR

Patent no.: 96/09728

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: 08/01/96

Project: **GSM** Country of registration: FR Patent no.:

09/147,491

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: 07/31/97

Company name: Schlumberger Systèmes

Project:

GSM 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 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: 08/01/96.

Schlumberger Systèmes Company name:

GSM

Project: Country of registration:

FR Patent no.: 97/15971 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 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: 12/16/97.

Company name: Schlumberger Systèmes

Project: **GSM**

Country of registration: FR

Patent no.: Countries applicable:

Notes:

PCT/FR98/02753 **PCT** 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: 12/16/98.

Company name: SIEMENS Project: **GSM**

Title: Method and mobile communication system for routeing of call connections

Country of registration: DF

DE 19635581 Application no.:

Countries applicable:

ETSI Deliverable:

GSM 03.18 V6.5.0 GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method and mobile communication system for supporting portability of a mobile subscriber telephone

number DE

Country of registration:

Patent no.: DE 197 09 713

Countries applicable:

DF ETSI Deliverable: GSM 03.66 V7.3.1 GSM 02.66 V7.1.0; TS 22.066 V3.0.1; TS 23.066 V3.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

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: **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 DF

Country of registration:

Application no.: GB 2322047

Countries applicable: GB

ETSI Deliverable: GSM 06.76 V7.2.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GSM**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration:

Application no.: IN / 2391/CAI /97 Countries applicable: IN

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: **GSM** Project:

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration: DF

Application no.: CA / 2225205

Countries applicable: CA

ETSI Deliverable: GSM 06.76 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

Patent no.: DE 196 08 464

Countries applicable:

DE

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: **GSM**

Title: Method for administering additional services in a mobile communication network

Country of registration: DF

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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DE Application no.: CN / 1160330 CN

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1; TS 29.002 V3.6.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: GSM

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.

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: DE DF 19549008 Patent no.:

Countries applicable: DE

ETSI Deliverable:

Notes:

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 ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DE

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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 mobile communication system for routeing of call connections

Country of registration:

Application no.: WO98/23117 US

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.

Company name: SIEMENS Project: **GSM**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration: DF

Patent no.: DE 19653122

Countries applicable: DE

ETSI Deliverable: GSM 06.76 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Interception in wireless networks

Country of registration: DF Application no.: Countries applicable:

EP 1 016 304 EPO

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: Interception in wireless networks

Country of registration: DF

Application no.: CN / 1271501

Countries applicable: CN

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,

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: DF

Patent no.: DE 197 41 216

Countries applicable: DE

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,

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

Country of registration: DE

Application no.: DE 19812215

Countries applicable: DE

GSM 04.08 V6.7.0 GSM 02.07 V6.1.0 **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.

Company name: SIEMENS Project: **GSM**

Method, mobile station and radio communication system for controlling safety related functions in Title:

communication handling

Country of registration:

Application no.: EP 1 064 810 Countries applicable: **EPO**

ETSI Deliverable: GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

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,

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: DF

Application no.: JP / 12-537394 JΡ

Countries applicable:

ETSI Deliverable: GSM 04.08 V6.7.0 GSM 02.07 V6.1.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Method, mobile station and radio communication system for controlling safety related functions in

communication handling

Country of registration: DE

Application no.: 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,

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, EPO, HU, ID, IN, JP, KR, MX, RU, US 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.

Company name: SIEMENS Project: **GSM**

Title: Method and base station system for voice transmission via a radio interface in a digital radio

communication system having mobile stations and base stations

Country of registration: DF

Patent no.: US 6 128 513

Countries applicable: US

ETSI Deliverable: GSM 06.76 V7.2.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Method for the use of services by network subscribers

Country of registration: DF EP 0 715 473 Patent no.: 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.

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**

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 jam-resistant communication transmission

Country of registration: Patent no.:

US 4 843 612

Countries applicable: US

ETSI Deliverable:

GSM 06.31 V8.0.0 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method for jam-resistant communication transmission

Country of registration: DE

CA 1238951 Patent no.: CA

Countries applicable:

GSM 06.31 V8.0.0 **ETSI Deliverable:**

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **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: Telecommunications network as well as subscriber stations and central station for a Telecommunications

network DF

Country of registration:

Patent no.: DE 36 38 735

Countries applicable: DE

ETSI Deliverable: GSM 03.03 V7.5.0 GSM 02.16 V7.2.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

SIEMENS Company name: Project: **GSM**

Title: Method for setting up a connection between a plurality of cellular networks

Country of registration: DF

EP 0 675 663 Patent no.:

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: **GSM**

Title: Method for displaying telephone numbers on subscriber stations of calling subscribers in a voice group

call service

Country of registration: DE 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,

Title: Method for the use of services by network subscribers

Country of registration: DF Application no.: Countries applicable: FΙ

FI / 955737

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 and system for determining the location of a mobile radio communication subscriber registered in

a cellular mobile radiotelephone network

Country of registration: DF

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.

Company name: SIEMENS Project: **GSM**

Title: Method and system for determining the location of a mobile radio communication subscriber registered in

> a cellular mobile radiotelephone network DF

Country of registration:

Application no.: IN / 1533/CAL/97

Countries applicable: IN

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GSM**

Title: Method for administering additional services in a mobile communication network

Country of registration: DE

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.

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: DF

DE 19635581 Patent no.:

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,

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.: JP 2977154 JΡ

Countries applicable:

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,

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: DE

Application no.: EP 0 727 914

Countries applicable: EPO

GSM 03.68 V5.3.1 GSM 03.69 V5.1.2 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GSM**

Method for Setting up a call connection for a group call to a group of mobile radio subscribers in a mobile Title:

> radio network DE

Country of registration:

Application no.: FI / 960662 FΙ

Countries applicable:

ETSI Deliverable: GSM 03.68 V5.3.1 GSM 03.69 V5.1.2

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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

US 5 797 100 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.68 V5.3.1 GSM 03.69 V5.1.2

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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: 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,

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.: FI / 961174 Countries applicable:

ETSI Deliverable: GSM 03.78 V6.1.1: TS 29.002 V3.6.0

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:

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.: 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**

Method for the transmission of subscriber data between network nodes in at least one communications Title:

network supporting the structure of an intelligent network

Country of registration:

DE 19509000 Patent no.:

Countries applicable: DE

ETSI Deliverable: GSM 03.78 V6.1.1; TS 29.002 V3.6.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: SIEMENS Project: **GSM**

Method for confirmed multi-address calling in a regionally split GSM mobile radio network Title:

Country of registration:

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 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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: DE

ZA/ 97/1770 Patent no.:

Countries applicable:

ETSI Deliverable: GSM 03.18 V6.5.0 GSM 03.16 V7.2.0 GSM 03.78 V6.1.1; TS 29.002 V3.6.0

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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 6035 198

Countries applicable: US

ETSI Deliverable: GSM 03.79 V5.2.0 TS 23.079 V3.3.0

DE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

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.

Company name: SIEMENS Project: **GSM**

Method for the transmission of subscriber data between network nodes in at least one communications Title:

network supporting the structure of an intelligent network

Country of registration:

US 5 839 076 Patent no.:

Countries applicable: US

ETSI Deliverable: GSM 03.78 V6.1.1; TS 29.002 V3.6.0

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Sun Microsystems, Inc.

Project: GSM

Data Exchange System Comprising Portable Data Processing Units Title:

Country of registration: ΕU Patent no.: 666550

DE, FR, GB, IT, NL Countries applicable:

ETSI Deliverable: GSM 03.19 (TS 101 476) Notes:

STATEMENT OF JULY 2002: Based on the character of information received, and in accordance with Article 7 of the ETSI IPR Policy, the Director-General of the ETSI Secretariat has to inform any standards' users of the following: The European Commission has carried out two independent research studies concerning the nature of SUN's IPR declarations regarding GSM 03.19 (TS 101 476). DG Competition has informed the ETSI Director-General that the results of these studies challenge the essential character

of SUN's patents in the present IPR declaration.

STATEMENT OF JANUARY 2001: 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.

ETSI

Company name: Sun Microsystems, Inc.

Project:

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 (TS 101 476) Notes:

STATEMENT OF JULY 2002: Based on the character of information received, and in accordance with Article 7 of the ETSI IPR Policy, the Director-General of the ETSI Secretariat has to inform any standards' The European Commission has carried out two independent research studies users of the following: concerning the nature of SUN's IPR declarations regarding GSM 03.19 (TS 101 476). DG Competition has informed the ETSI Director-General that the results of these studies challenge the essential character of SUN's patents in the present IPR declaration.

STATEMENT OF JANUARY 2001: 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: ΑU Patent no.: 706393 Countries applicable: ΑU

ETSI Deliverable: GSM 03.19 (TS 101 476)

Notes:

STATEMENT OF JULY 2002: Based on the character of information received, and in accordance with Article 7 of the ETSI IPR Policy, the Director-General of the ETSI Secretariat has to inform any standards' The European Commission has carried out two independent research studies concerning the nature of SUN's IPR declarations regarding GSM 03.19 (TS 101 476). DG Competition has informed the ETSI Director-General that the results of these studies challenge the essential character of SUN's patents in the present IPR declaration.

STATEMENT OF JANUARY 2001: 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.

Sun Microsystems, Inc. Company name:

Project: **GSM**

Data Exchange System Comprising Portable Data Processing Units Title:

Country of registration: EU Patent no.: 757336

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE

ETSI Deliverable: GSM 03.19 (TS 101 476)

STATEMENT OF JULY 2002: Based on the character of information received, and in accordance with Notes: Article 7 of the ETSI IPR Policy, the Director-General of the ETSI Secretariat has to inform any standards' users of the following: The European Commission has carried out two independent research studies concerning the nature of SUN's IPR declarations regarding GSM 03.19 (TS 101 476). DG Competition has informed the ETSI Director-General that the results of these studies challenge the essential character

of SUN's patents in the present IPR declaration.

STATEMENT OF JANUARY 2001: 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: **GSN**

Title: Data Exchange System Comprising Portable Data Processing Units

Country of registration: ΝZ Patent no.: 278967

Countries applicable: ΝZ

ETSI Deliverable: GSM 03.19 (TS 101 476) Notes:

STATEMENT OF JULY 2002: Based on the character of information received, and in accordance with Article 7 of the ETSI IPR Policy, the Director-General of the ETSI Secretariat has to inform any standard The European Commission has carried out two independent research studies concerning the nature of SUN's IPR declarations regarding GSM 03.19 (TS 101 476). DG Competition has informed the ETSI Director-General that the results of these studies challenge the essential character of SUN's patents in the present IPR declaration.

> STATEMENT OF JANUARY 2001: 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: A Method and an Arrangement for dynamic allocation of Multiple Carrier Wave Channels for Multiple

access by Frequency Division M

Country of registration: **EPO** Application no.: 94900333.9 Telia AB

Company name: Project: **GSM**

Title: Method and Arrangement for increasing capacity in a Mobile Telephone System

Country of registration: Application no.: 91903207.8 Patent no.: 0 513 089 B1

Company name: Telia AB Project: **GSM**

Title: Method of Location in a Mobile Radio System

Country of registration: **EPO** 91916715.5 Application no.: Patent no.: 0 551 310 B1

Telia AB Company name: Project: **GSM**

A Method and Arrangement for Performance Monitoring in a Telecommunications Network Title:

Country of registration: **EPO** Application no.: 92850263.2

Telia AB Company name: Project: **GSM**

Anntenna Arrangement Device Country of registration: **EPO**

GSM

92850035.2 Application no.: Telia AB Company name:

Project: Title: Arrangement in Mobile Communication System for extending the range between one or more Mobile

Units and Base Stations

Country of registration: **EPO** Application no.: 94904363.2 Company name: Telia AB

Project: **GSM** Method for locating Mobile Stations in a Digital Telephone Network Title:

Country of registration: **EPO** Application no.: 94850095.4

Company name: Telia AB Project: GSM

Procedure at Telecommunications Systems which makes possible a reduction of the Digital Processing Title:

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 **Application no.:** 95850184.3

Company name: Telia AB Project: GSM

Title: A Mobile Telecommunication System having aa Auxilliary Routing Arrangement

Country of registration: EPO 92850286.3

Company name: Vimatix Project: GSM

Title: Method and apparatus for image analysis and processing by identification of characteristic lines and

corresponding parameters.

Country of registration: US
Application no.: 09/716279
Countries applicable: US

ETSI Deliverable: 3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: GSM

Title: Method and apparatus for image analysis and processing by identification of characteristic lines and

corresponding parameters.

Country of registration:

Application no.: PCT/IL01/009496

Ш

Countries applicable: PCT

ETSI Deliverable: 3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: GSM

Title: Method for 2D and 3D images capturing, representation, processing and compression.

Country of registration: US
Patent no.: 5,960,118
Countries applicable: US

ETSI Deliverable: 3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: GSM

Title: Method and apparatus for image representation by geometric and brightness modeling

Country of registration: US
Application no.: 09/902643
Countries applicable: US

ETSI Deliverable: 3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: GSM

Title: Geometric and Brightness Modeling of images

Country of registration:

Application no.: PCT/IL02/00563

Countries applicable: PCT

ETSI Deliverable: 3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: Vimatix Project: GSM

Title: Method and apparatus for image representation by geometric and brightness modeling

Country of registration:

Application no.: 60/334,072 US

Countries applicable: **ETSI Deliverable:**

3GPP 26.140; TS 126 140

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: GSM Project:

Title: Method and apparatus for image representation by geometric and brightness modeling

Country of registration: Application no.:

PCT/IL02/00564

Countries applicable: **PCT**

ETSI Deliverable: 3GPP 26.140; TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Title: Apparatus and method for Image Analysis and Processing by identification of Ridges and Edges and their

Cross-Sections

Country of registration: US Application no.: 60/379,415

Countries applicable: US

ETSI Deliverable: 3GPP 26.140; TS 126 140

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Vimatix Project: **GSM**

Method and apparatus for image representation by geometric and brightness modeling Title:

Country of registration: Application no.: 60/332,051 Countries applicable: US

ETSI Deliverable:

3GPP 26.140; TS 126 140

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

GSM/AMR-NB

Company name: Alcatel

Project: GSM/AMR-NB

AMR 12b, Document Tdoc SMG11 134/98R2, Title:

AMR

Country of registration: **ETSI Deliverable:**

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:

ETSI Deliverable:

Notes:

Cellnet declared, with respect to work item and standard No AMR, that they are prepared, to grant

irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the standard, to the extent that the standard remain essential. The list

provided during this AMR Selection phase may not include "pending" patents.

Company name: 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 Project: GSM/AMR-NB

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.:

CA, CN, DE, DK, FR, GB, HK, IT, JP, KR, NL, SE, US Countries applicable:

FR

2734389

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: Country of registration: JΡ Application no.: 57-231603 Patent no.: 1740692

Countries applicable: JΡ Notes: **AMR**

Company name: **NEC Corporation**

GSM/AMR-NB Project: Country of registration: CA 444239-3 Application no.: Patent no.: 1197619 Countries applicable: CA Notes: **AMR**

Company name: **NEC Corporation** Project: GSM/AMR-NB

Country of registration: JP Application no.: 57-231605 Patent no.: 1740693 Countries applicable: JΡ **AMR** Notes:

Company name: **NEC Corporation** Project: GSM/AMR-NB

Country of registration: JP Application no.: 57-231606 Patent no.: 1740694 Countries applicable: JΡ Notes: **AMR**

Company name: **NEC Corporation** Project: GSM/AMR-NB

Title: Method and apparatus for encoding voice signals

Country of registration: Application no.: 565804 Patent no.: 4716592 Countries applicable: US **AMR** Notes:

Company name: Nokia GSM/AMR-NB Project: Country of registration: GB 9605123 Patent no.: Countries applicable: GB

AMR Notes: Company name: Nokia

GSM/AMR-NB Project: Country of registration: US Patent no.: 4969192 Countries applicable: US Notes: **AMR**

Company name: Nokia Project: GSM/AMR-NB Country of registration: US

Patent no.: 5664053 Countries applicable: US Notes: **AMR**

Company name: Nokia GSM/AMR-NB Project:

Country of registration: US 5444816 Patent no.: US Countries applicable: **AMR** Notes:

Nortel Northern Telecom Ltd. Company name:

Project: GSM/AMR-NB

Title: Methods and apparatus for noise conditioning in digital speech compression using linear predictive coding

Country of registration: CA

Patent no.: US 5642464

Countries applicable: CA, EU, US

Nortel has stated that, in accordance with the ETSI Interim IPR Policy, Article 4.1 and in relation to the Notes: 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

Spike code-excited linear prediction Title: Country of registration:

Application no.: Patent no.: 5664054

Countries applicable: US Notes: **AMR**

Company name: Rockwell Semiconductor Systems

Project: GSM/AMR-NB

Delayed decision switched prediction multistage LSF vector quantization Title:

Country of registration: Application no.: Patent no.: 5774839 Countries applicable: US Notes: **AMR**

Company name: Rockwell Semiconductor Systems

GSM/AMR-NB Project:

Title: Method and apparatus for generating frame voicing decisions of an incoming speech signal

Country of registration: Application no.: Patent no.: 5774849 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: 5689615 US AMR

GSM/TDMA

InterDigital Technology Corp. Company name:

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.:

90 02733 Countries applicable: FR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (MEXICAN TITLE: INICIALIZACION DE

CANAL DE COMUNICACION ENTRE UNA ESTACION)

Country of registration:

 MX Patent no.: 169 911 Countries applicable: MX

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are 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 (FRENCH TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE E)

Country of registration:

Patent no.:

FR 89 02811 FR

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

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:

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

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK IL

Country of registration:

Patent no.: 89428 IL

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: InterDigital Technology Corp.

IN

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Patent no.:

174843 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

GSM/TDMA Project:

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.:

IT 1231180

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: Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Patent no.: 53 566 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.

Project:

GSM/TDMA

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

MY Patent no.:

MY-103830A MY

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:

GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (DUTCH TITLE: HET INITIEREN VAN

EEN COMMUNICATIEKANAAL TUSSEN EEN ABONNEES) NI

Country of registration: Patent no.:

Countries applicable:

191 869 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

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration:

Patent no.:

NO 176.638

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.

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:

Patent no.:

JP 2711333

Countries applicable:

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

GSM/TDMA Project:

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER (FRENCH TITLE: DISPOSITIF D'INITIALISATION D'UNE VOIE DE

COMMUNICATION ENTRE UN POSTE D'ABONNE E)

Country of registration:

9002732 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.

98425

Project: GSM/TDMA

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK FΙ

Country of registration: Patent no.:

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.

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 (NORWEGIAN TITLE:

ABONNENTKOMMUNIKASJONSSYSTEM)

Country of registration: NO

Patent no.: 176,637

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.

FS

GSM/TDMA Project:

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (SPANISH TITLE: SISTEMA DE

COMUNICACION DE ABONADOS)

Country of registration:

Patent no.: 8900774/3

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.

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: NO Patent 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.

InterDigital Technology Corp. Company name:

Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration: CA

Patent no.: 1 288 823

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

Company name:

InterDigital Technology Corp.

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: Patent no.:

BR PI89010302

Countries applicable:

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

Title:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION NETWORK (BELGIAN TITLE: DISPOSITIF

D'INITIALISATION D'UNE VOIE DE COMMUNICATION EN)

Country of registration:

Patent no.: Countries applicable: ΒE 8900242 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:

Project:

InterDigital Technology Corp.

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)

Country of registration:

ΒE 9000316

Countries applicable:

ΒE

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

InterDigital Technology Corp.

Project:

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) BE

Country of registration:

Patent no.: Countries applicable: 9000315 BF

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 AU

Country of registration: Patent no.:

603732

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

Title:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: Patent no.:

ZA 88/8062

Countries applicable: Notes:

ZA The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: US 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.

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.:

100843 FΙ

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: InterDigital Technology Corp.

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: IN Patent no.: 178383 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:

GSM/TDMA Project:

Title: INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE

STATION IN A SUBSCRIBER COMMUNICATION SYSTEM

Country of registration: LIS

Patent no.: 4 811 420 US

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: InterDigital Technology Corp.

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (DANISH TITLE: GRUNDSTATION Title:

> TIL DIGITALT RADIOTELEFONSYSTEM) DK

Country of registration:

Patent no.: 172084

Countries applicable: DK

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are 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: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (SPANISH TITLE: CENTRAL DE

BASE PARA SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration:

ES 8800957 Patent no.: 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:

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: FΙ Patent no.: 98430 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

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (FRENCH TITLE: STATION DE Title:

BASE POUR SYSTEME TELEPHONIQUE SANS FIL)

Country of registration: FR

Patent no.: 88 04299

Countries applicable: FR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

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.

InterDigital Technology Corp Company name:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: HK Patent no.: 834/1994 Countries applicable: 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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: CN Patent no.: 10 469 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:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: IL Patent no.: 85678

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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: CA Patent no.: 1 339 158

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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (ITALIAN TITLE: STAZIONE BASE Title:

PER SISTEMA TELEFONICO DIGITALE SENZA FILI)

Country of registration: IT

Patent no.: 1219926

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

GSM/TDMA Project:

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: JP Patent no.: 2979319

Countries applicable: 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

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: KR 51 947 Patent no.: 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.

InterDigital Technology Corp. Company name:

Project: GSM/TDMA

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (MEXICAN TITLE: ESTACION BASE Title:

PARA UN SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration: MXPatent no.: 171,366 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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (DUTCH TITLE: BASISSTATION Title:

VOOR EEN DRAADLOOS DIGITAAL TELEFOONSTELSEL)

Country of registration: NI

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

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

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

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: ZA Patent no.: 88/5961 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

GSM/TDMA Project:

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration:

Patent no.: ID0001825

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: RU 2003229 Patent no.:

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

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 (PORTUGUESE TITLE: INICIALIZACAO

DE UM CANAL DE COMUNICACAO ENTRE UM POSTO)

Country of registration: 89 897 Patent no.: Countries applicable: PΤ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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 (SWEDISH TITLE: SYNKRONISERING

AV BASSTATION OCH ABONNENTSTATION I ETT ABO)

Country of registration: SE

Patent no.: 9001262-6 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.

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 (SWEDISH TITLE:

ABONNENTKOMMUNIKATIONSSYSTEM)

Country of registration:

Patent no.:

SE

Countries applicable:

8900642-3 SE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

GSM/TDMA Project:

INITIALIZATION OF COMMUNICATION CHANNEL BETWEEN A SUBSCRIBER STATION AND A BASE Title:

STATION IN A SUBSCRIBER COMMUNICATION NETWORK

Country of registration:

Patent no.:

RU

Countries applicable:

2038699 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.

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: Patent no.:

TW 36534

Countries applicable:

TW

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: Patent no.:

TW 36023

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.

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.: 89/1609

ZΑ 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: InterDigital Technology Corp.

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: DE

Patent no.: 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.

InterDigital Technology Corp. Company name:

РΤ

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (PORTUGUESE TITLE: ESTACAO

DE BASE PARA SISTEMAS TELEFONICO DIGITAL POR VIA RADIOELECTRICA)

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.

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 ΝZ

Country of registration:

Patent no.: 228172

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.

GSM/TDMA Project:

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

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.

InterDigital Technology Corp. Company name:

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

Project: GSM/TDMA

Title: BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM

Country of registration: ΑU 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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: Α7

i20000075 Patent no.:

Countries applicable: ΑZ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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 (BELGIAN TITLE: STATION DE Title:

BASE POUR SYSTEME TELEPHONIQUE NUMERIQUE SANS FIL.)

Country of registration:

ΒE Patent no.: 8800372 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

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM (BRAZILIAN TITLE: ESTACAO DE Title:

BASE EM UMA REDE DE COMUNICACAO DE ASSINANTES PARA COMUNICAR ENTRE AS

ESTACOES DE ASSINANTE E UMA REDE EXTERNA)

Country of registration: RR

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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

BASE STATION FOR WIRELESS DIGITAL TELEPHONE SYSTEM Title:

Country of registration: BY Patent no.: 1154 Countries applicable: BY

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL Title:

INFORMATION NETWORK

Country of registration: CA Patent no.: 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.

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

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: JΡ

Patent no.: 2816349

Countries applicable:

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: 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.:

8600440

Countries applicable:

FR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

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 GB

Country of registration:

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

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:

GR 870966

Patent no.: 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

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: 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

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: HK

Patent no.: Mar-90 Countries applicable: ΗK

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are 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: IR Patent no.:

56780

Countries applicable: **IR**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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: РΤ Patent no.:

85,136

Countries applicable:

PT

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

IT

Patent no.: Countries applicable: 1191300

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:

ES

Patent no.:

8803594/8

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.

Company name:

Project:

InterDigital Technology Corp. GSM/TDMA

Title:

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

Country of registration:

JΡ 2979064

Patent no.: 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:

Project:

InterDigital Technology Corp.

GSM/TDMA

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA Title: SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS KR

Country of registration:

Patent no.:

40230

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.

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:

MX162.175

Patent no.: 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.

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

MY

Country of registration: Patent no.:

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

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: MY

Patent no.: MY100722A

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.

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: ΝO

Patent no.: Countries applicable: 304090 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:

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (ITALIAN TITLE: SISTEMA DIGITALE DI COMUNICAZIONE E METODO, ATTI AD

OTTENERÈ AGILITA'DI FREQUENZA)

Country of registration: IT

Patent no.:

1235150

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:

Title: SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS Ш

Country of registration:

76618 Patent no.: 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.

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: CH

Notes:

Patent no.: 675333 Countries applicable: СН

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are 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

CONNECTION OF SUBSCRIBER COMMUNICATION NETWORK BASE STATION TO EXTERNAL Title:

INFORMATION NETWORK

Country of registration: US

Patent no.: 4 779 262

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

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

(ARGENTINEAN TITLE - DISPOSICION TELEFONICA DE RF PAR

Country of registration: AR 241429 Patent no.:

Countries applicable: AR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: AT

Patent no.: 404202 Countries applicable: AT

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are 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: ΑU Patent no.: 576627

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: 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.

InterDigital Technology Corp. Company name:

BE

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.: 904 065

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.

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 BR

Country of registration:

Patent no.: PI 8505598

BR 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 FΙ

Country of registration:

104676

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

GSM/TDMA Project:

Title: SYSTEM. (SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR

DATA SIGNALS SIMULTANEOUSLY OVER EITHER A SINLGE OR A PLURALITY OF RF CHANNELS.)

Country of registration: CA

Patent no.: 1 307 064

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:

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.:

ES 8903349 ES

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: InterDigital Technology Corp.

CL

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.: 36,08 Countries applicable: CL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: GSM/TDMA

Title: SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA

SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS

(CHILEAN TITLE - SISTEMA DE COMUNICATION DIGITAL ENTR ĊL

Country of registration:

Patent no.: 37,738 Countries applicable: CL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

DE

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.: 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 DE

Country of registration:

Patent no.: 3645360 DE 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 FS

Country of registration: Patent no.:

557.496/X

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

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

ES 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.

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.:

8504662-1 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: 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.:

CA 1 250 673

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 DIGITAL COMMUNICATION

SYSTEMS

Country of registration:

JΡ 2899805 Patent no.:

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: InterDigital Technology Corp.

JP

GSM/TDMA Project:

APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION Title:

SYSTEMS CN

Country of registration:

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

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** FΙ

Country of registration: Patent no.:

98691

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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

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) FR

Country of registration: Patent no.:

8814617

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

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN TIME DIVISION MULTIPLE

ACCESS SYSTEMS

Country of registration: Patent no.:

2224414

GB

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.

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (SPANISH TITLE: SISTEMA TELEFONICO DIGITAL INALAMBRICO)

Country of registration:

Patent no.:

8803332/5

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.

Company name: InterDigital Technology Corp.

GSM/TDMA Project:

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 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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: NO Patent no.: 308879 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.

InterDigital Technology Corp. Company name:

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS IN

Country of registration:

Patent no.: 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

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:

ΑU Patent no.: 590168 Countries applicable: AU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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.:

KR 51 471

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.

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (MEXICAN TITLE: APARATO Y METODO PARA OBTENER AGILIDAD DE FRECUENCIA

EN SISTEMAS DE COMUNICACION DIGITALES)

Country of registration: MX 170,412 Patent no.:

Countries applicable: MX

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 COMMUNICATION Title:

SYSTEMS Country of registration: MY

Patent no.: MY-101118A

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: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (NORWEGIAN TITLE: ANORDNING OG FREMGANGSMATE FOR A OPPNA

FREKVENSSMIDIGHET I DIGITALE KOMMUNIKASJONSSYSTEMER)

Country of registration:

NO Patent no.: 176780

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.

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS Country of registration: N7

226967 Patent no.: Countries applicable: NZ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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 (PORTUGUESE TITLE: SISTEMA E PROCESSO DE COMUNICACOES PARA A

OBTENCAÒ DE UMA AGILIDADE DE FREQUENCIA NOS SISTEMAS)

Country of registration:

PT Patent no.: 88942 Countries applicable: PT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 (SWEDISH TITLE: SATT OCH ANORDNING FOR ASTADKOMMANDE AV FREKVENSRORLIGHET I DIGITALA KOMMUNIKATIONSSYSTEM)

Country of registration: SE

8803823-7 Patent no.:

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

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

> **SYSTEMS** IL

Country of registration: Patent no.:

88187

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: 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 5 119 375

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.

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.:

SG 8990649,9

Countries applicable: SG

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: TW

Patent no.: NI-30412 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:

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

Patent no.: Countries applicable: 74105869

TW

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

InterDigital Technology Corp. Company name:

US

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.: 4 675 863

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:

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.:

4 817 089

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

US Country of registration:

Patent no.: 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.

Company name: InterDigital Technology Corp.

US

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.: 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.

BR

GSM/TDMA Project:

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.: 8805901-4

Countries applicable: 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

SUBSCRIBER RF TELEPHONE SYSTEM FOR PROVIDING MULTIPLE SPEECH AND/OR DATA Title:

> SIGNALS SIMULTANEOUSLY OVER EITHER A SINGLE OR A PLURALITY OF RF CHANNELS US

Country of registration:

5 687 194 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:

GSM/TDMA Project:

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (BELGIAN TITLE: DISPOSITIF ET PROCEDE POUR OBTENIR DE LA SOUPLESSE EN

MATIERE DE FREQUENCE DANS DES SYSTEMES DE CO

Country of registration: ΒE

Patent no.: Countries applicable:

8801283 BF

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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:

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

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

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: US

Patent no.: 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

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.: B14817089

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:

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

US 5 022 024

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: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS (ARGENTINEAN TITLE: UNA DISPOSICION TELEFONICA DIGITAL INALAMBRICA)

Country of registration:

Patent no.: 241,364

Countries applicable: AR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: SG Patent no.:

9692130-9 Countries applicable: SG

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are 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: US

Patent no.: 5 657 358 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:

Project: GSM/TDMA

Title: APPARATUS AND METHOD FOR OBTAINING FREQUENCY AGILITY IN DIGITAL COMMUNICATION

SYSTEMS

Country of registration: CA Patent no.:

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

HDSL

Company name: Nokia Project: HDSL

Title: Method For Connecting An HDSL Transmission Link To A SDH Network

Country of registration: FI

Application no.: FI 942372
Patent no.: FI 96080

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: NZ
Application no.: NZ 2

Application no.: NZ 272163
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: AU

 Application no.:
 AU 20202/95

 Patent no.:
 AU 9520202

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

HIPERLAN

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 Type Réseau Radio de Transmission de Données, avec Routage

Country of registration: FR
Application no.: 95 09928
Countries applicable: FR
ETS! Deliverable: ETS 200 652

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: CA
Application no.: 2 132 626
Countries applicable: CA
TOLD Polymorphis.

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:FRApplication no.:93 00750Countries 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:JPApplication no.:6-516756Countries applicable:JPETSI 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

Countries applicable: US ETSI Deliverable: ETS 300 652

HIPERLAN 2

Wi-Lan Inc. Company name: Project: HIPERLAN 2

Title: Method & Apparatus for Multiple Access between Transceivers in Wireless Communications using OFDM

Spread Spectrum

Country of registration: Application no.: 861,725 Patent no.: 5,282,222 Countries applicable: ETSI Deliverable: 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.

IPCablecom

Company name: Motorola Project: IPCablecom

Title: Country of registration: US
Application no.: Patent no.: Countries applicable: -

ETSI Deliverable: TS 101 909-xx series (Work Item Ref.: DTS/AT-020020-xx series); ES 201 909-xx series (Work Item Ref.:

DES/AT-020012-xx series)

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs are ESSENTIAL.

Company name: Nortel Networks Ltd.

Project: IPCablecom

Title: Methods and systems for providing access to stored audio data over a network

Country of registration:EPOApplication no.:00309381.2Patent no.:EP 1 096 766Countries applicable:EPOETSI Deliverable:TS 101 909

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The above

undertaking is made subject to the condition that those who seek licenses agree to reciprocate.

ISDN

Company name: Ericsson Project: **ISDN**

Title: TC-relay mechanism feature

Country of registration:

FTS 300 287

ETSI Deliverable: Notes:

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:

Project:

KPN ISDN

Country of registration:

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

DE

Project: Title:

Verfahren und Schaltungsanordnung zum Betreiben von Endgeräten eines digitalen

Teilnehmeranschlusses

Country of registration:

Patent no.:

DE 33 22 152 C2

Countries applicable: DF

ETSI Deliverable: ETS 300 012

Company name: Project:

Robert Bosch GmbH

ISDN

Title: Verfahren zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses

Country of registration: DF DE 33 11 386 C2

Patent no.: Countries applicable: DE

ETSI Deliverable: ETS 300 012

Company name:

Telia AB **ISDN**

Project: Country of registration:

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.

ETSI

Company name:

Telia AB ISDN -

Project:

Country of registration: Patent no.:

504 405 SE

Countries applicable: 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, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences

Company name:

Project:

Country of registration: Application no.: Countries applicable:

Notes:

Telia AB ISDN -

96938566 EPO

shall reciprocate.

This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in Annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in Annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in Annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant Non-exclusive, irrevocable licences under the patents and/or patent applications listed in Annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company name:

Project:

Telia AB ISDN

Country of registration: Application no.:

Application no.:
Patent no.:
Countries applicable:

Notes:

973109 Pending NO

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

Procédé et équipement d'interception de communication téléphonique Title:

Country of registration: Application no.: 98402659.1

Patent no.:

Countries applicable: AT, BE, DE, ES, GB, IT, SE

ETSI Deliverable: 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: Alcatel

Lawful Interception Project:

Title: Procédé et équipement d'interception de communication téléphonique

Country of registration:

98402659.1 Application no.:

Countries applicable: AT, BE, DE, ES, GB, IT, SE

ETSI Deliverable: ES 201 671

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: Lawful Interception

Title: Telephone call monitoring by law enforcement agency assigning identification numbers for telephone calls

and notifying law agency if any party to call is identified as requiring monitoring

Country of registration:

Application no.: WO 98/52 337 Patent no.: US-5930698 US

Countries applicable:

ETSI Deliverable: ES 201 158

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. The signatory

undertakes in accordance with clause 6.1 only to grant licenses subject to reciprocity.

LCS-128 Pos

Company name: TruePosition Inc.
Project: LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: PCT

Application no.: PCT/US97/23894
Patent no.: WO98/29758

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: TruePosition Inc.
Project: LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: US
Application no.: 09/250,391
Patent no.: 6,119,013
Countries applicable: US

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: TruePosition Inc.
Project: LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: TW
Application no.: 86119746
Patent no.: 107828
Countries applicable: TW

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: TruePosition Inc.
Project: LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: ZA
Patent no.: 97/11585
Countries applicable: ZA

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: TruePosition Inc. **Project:** LCS-128 Pos

Title: Direction Finding Localization

Country of registration: US
Application no.: 894,867
Patent no.: 4,728,959

Countries applicable: US

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: TruePosition Inc.
Project: LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: EPO 97952638.1 Patent no.: 1042687

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: TruePosition Inc. LCS-128 Pos

Title: Enhanced Time Difference Localization System

Country of registration: Application no.: Patent no.: 08/772,871 6,108,555

Countries applicable: US

ETSI Deliverable: TSG RAN Work Item 57: LCS-128 Pos

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

PLT

Company name: e300 Ltd.

Project: **PLT**

Data Transmission Method Title:

Country of registration: GB Application no.: 00920867.9

Countries applicable: **EPO ETSI Deliverable:** Work Item No.: DTS/PLT-00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: e300 Ltd. Project: **PLT**

Data Transmission Method Title:

Country of registration: GB Patent no.: GB2351884

Countries applicable: GB

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**

Media access control with echo based collision detection and resolution Title:

Country of registration: US Application no.: 09/721.584

Countries applicable: US

ETSI Deliverable: Work Item no. DTS/PLT 00005

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ITRAN Communications Ltd.

Project: 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.

ITRAN Communications Ltd. Company name:

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ITRAN Communications Ltd. Company name:

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: 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 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

Company name: AT&T Project: PSTN

Title: Transmission During Ringing

Country of registration: JP
Patent no.: 1,832,616
Countries applicable: JP
ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: PSTN

Title: Transmission During Ringing

Country of registration: DE
Patent no.: 3,376,377

Countries applicable: DE
ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: PSTN

Title: Transmission During Ringing

Country of registration: NL
Patent no.: 0,150,181
Countries applicable: NL
ETSI Politorable: ETS 200.650

ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: PSTN

Title: Transmission During Ringing

Country of registration: EPO

Patent no.: WO 85/00488

Countries applicable: AT, AU, BE, BR, CH, DE, DK, FI, FR, GB, JP, LU, NL, NO, SE, US

ETSI Deliverable: ETS 300 659-1

Company name: AT&T Project: PSTN

Title: Transmission During Ringing

Country of registration: US Patent no.: 4,582,956 Countries applicable: US

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: 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

Country of registration: FR
Patent no.: 0,150,181
Countries applicable: FR
ETSI Deliverable: ETS 300 659-1

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: **PSTN** GB

GB 2 2588 119 B GB Patent no.: Countries applicable: ETSI Deliverable:

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: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: YU Application no.: P-1978/90 Patent no.:

YU 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: UA Application no.: 93003414 Patent no.: 26436 Countries applicable: IJΑ

EN 300 417-9-1 V1.1.1 **ETSI Deliverable:**

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

A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of Title:

the synchronous digital multiplex hierarchy

Country of registration: RU

Application no.: 4831743/09 Patent no.: 2095942 Countries applicable: RU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to Notes:

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Siemens Company name: Project: SDH

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 2044162 Patent no.: Countries applicable:

JΡ

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:

A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of Title:

the synchronous digital multiplex hierarchy

Country of registration: CN Application no.: 90109646.6 Patent no.: 16447 Countries applicable: CN

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/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 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

Countries applicable: AU

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: US
Application no.: 07/691,676
Patent no.: 5168494
Countries applicable: US

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: DE **Application no.:** DE 90121127.6

Patent no.: 0 429 888 B1
Countries applicable: AU, CA, CH, CN, DE, FR, GB, IT, JP, NO, RU, UA, US, YU

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that it is their belief that this IPR is, or is likely to

become essential in relation to this standard. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the

IPRs remain ESSENTIAL.

Company name: Siemens Project: SDH

Title: A method for transmission of a digital braodband signal in a tributary unit concatenation via a network of

the synchronous digital multiplex hierarchy

Country of registration: NO
Application no.: 905114
Patent no.: 302269
Countries applicable: NO

ETSI Deliverable: EN 300 417-9-1 V1.1.1

Notes: The SIGNATORY and/or its AFFILIATI

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: Country of registration: DE
Application no.: Patent no.: ETSI Deliverable: -

Notes:

Siemens Aktiengesellschaft hereby declares that in the event it has existing patents or may in the future obtain patents which are necessary to manufacture, use, and sell implementations of the "SDSL" standard it is prepared to license these patents. Siemens Aktiengesellschaft hereby also declares that it is aware of the rules governing inclusion of patented items in international standards, as currently described by the ETSI IPR Policy, and in particular that it is willing to grant a license to an unlimited number of applicants throughout the world under reasonable terms and conditions that are demonstrably free of any unfair competition. Such licence will provide that a similar grant under any licensee's patent within the scope of the license granted to the licensee is made available by Siemens Aktiengesellschaft and its subsidiaries

on request.

Company name: Siemens
Project: SDSL
Title: Country of registration: DE
Application no.: Patent no.: -

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: Siemens
Project: SDSL
Title: Country of registration: DE
Application no.: Patent no.: -

ETSI Deliverable: TS 101 524

Notes: Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of

patented issues in ETSI Standards, and that they are not prepared to waive their rights but would be willing to negociate licenses with other parties on a Non-discriminatory basis on reasonable terms that are demonstrably free of any unfair competition. Such licenses provide that a grant under any licensee's patent rights within the scope of the license granted to the licensee is made available to Siemens

Aktiengesellschaft and its subsidiaries on request.

Company name: Siemens
Project: SDSL
Title: Country of registration: DE
Application no.: Patent no.: -

ETSI Deliverable: TS 101 524-2

Notes: Siemens Aktiengesellschaft hereby declare that they are aware of the rules according to the inclusion of

patented issues in ETSI Standards, and that they are not prepared to waive their rights but would be willing to negociate licenses with other parties on a Non-discriminatory basis on reasonable terms that are demonstrably free of any unfair competition. Such licenses provide that a grant under any licensee's patent rights within the scope of the license granted to the licensee is made available to Siemens

Aktiengesellschaft and its subsidiaries on request.

Company name: Tioga Technologies Ltd.

Project: SDSL
Title: Country of registration: IL
Application no.: Countries applicable: US

ETSI Deliverable: TS 101 524

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Speech Recognition

Company name: France Telecom Project: Speech Recognition

Procédé et dispositif de réduction de bruit Title:

Country of registration: PCT

Application no.: PCT/FR/01/03624

Countries applicable: AE, AG, AL, AM, ARIPO, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK,

DM, DZ, EAPO, EC, EE, EPO, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PCT, PH, PL, PT,

RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

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. undertaking is made subject to the condition that those who seek licences agree to reciprocate.

Company name: France Telecom Speech Recognition Project:

Title: Procédé et dispositif de réduction de bruit

Country of registration: Application no.: 01 01120 Countries applicable: FR **ETSI Deliverable:** ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

> licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. undertaking is made subject to the condition that those who seek licences agree to reciprocate.

Company name: Motorola Project: Speech Recognition

US Country of registration:

Patent no.: US 6,389,389 Countries applicable: US

ETSI Deliverable: ES 201 108; ES 202 050

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: Motorola

Project: Speech Recognition US

Country of registration:

Patent no.: US 09/427497

Countries applicable: US

ETSI Deliverable: ES 202 050

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: Motorola

Project: Speech Recognition

Country of registration: US

US 09/774840 Patent no.: Countries applicable: US

ETSI Deliverable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Motorola Company name:

Speech Recognition Project:

Country of registration: US Patent no.:

US 10/061048

Countries applicable:

US

ETSI Deliverable:

ES 202 050

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: Motorola

Project: Speech Recognition

Country of registration: US

Patent no.: US 10/060511

Countries applicable:

US **ETSI Deliverable:** ES 202 050

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: Motorola

Project: Speech Recognition

Country of registration: GB

UK 0201585.7 Patent no.: GB

Countries applicable:

ETSI Deliverable: ES 202 050

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: quantiser_16kHz.tab - Type: TAB File

Country of registration: Application no.: Patent no.:

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:

Project: Speech Recognition

Copyright work: decoder.c - Type: C File Title:

Country of registration: GR Application no.: Patent no.:

ETSI Deliverable:

FS 201 108

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: common.h - Type: H File

Country of registration: Application no.: Patent no.:

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.: Patent no.:

ETSI Deliverable: ES 201 108

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Speech Recognition Project:

Title: Processing Received Data in a Distributed Speech Recognition Process

Country of registration:

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; ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Title: Processing Received Data in a Distributed Speech Recognition Process

Country of registration: GB

Patent no.: GB2343778A

Countries applicable: GB

ETSI Deliverable: ES 201 108; ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Title: Mitigating Errors in a Distributed Speech Recognition Process

Country of registration: GB

Patent no.: GB2343777A

Countries applicable: GB

ETSI Deliverable: ES 201 108; ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: golay.c - Type: C File

Country of registration: GI Application no.: -Patent no.: -

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: Mitigating Errors in a Distributed Speech Recognition Process

Country of registration: EPO

Patent no.: EP99972348.9

Countries applicable: AT, BE, CH, CY, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

ETSI Deliverable: ES 201 108; ES 202 050

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Motorola

Project: Speech Recognition

Title: Copyright work: quantiser_8kHz.tab - Type: TAB File

Country of registration: GB
Application no.:
Patent no.:

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.: - Patent no.: -

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: golay.h - Type: H File

Country of registration: GB
Application no.: Patent no.: -

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

Title: Copyright work: decoder.h - Type: H File

Country of registration: GB
Application no.:

Patent no.:

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.gcc - Type: GCC File

Country of registration: GB
Application no.: Patent no.: -

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

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

STAG

Company name: KPN Project: STAG

Title: Monitoring Method and Monitoring System

Country of registration: Patent no.:

EP 823187

Countries applicable:

applicable: NL, US

Notes: Royal KPN N.V. undertakes that it is prepared to grant irrevocable licenses on fair reasonable and

Non-discriminatory 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

Title: Monitoring Method and Monitoring System

Country of registration:

Patent no.: WO 96/34506
Countries applicable: NL, US

Notes: Royal KPN N.V. undertakes that it is prepared to grant irrevocable licenses on fair reasonable and

Non-discriminatory 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

Philips Television systems EPO

Company name:
Project:
Country of registration:
Patent no.:
ETSI Deliverable: EP-A 0 538 466 ETS 300 732

TETRA

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, CH, DE, DK, ES, FR, GB, IT, NL, SE

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: FR
Application no.: 93 11 572
Patent no.: 2710805
Countries applicable: FR

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: US
Application no.: 299 654
Patent no.: 5,511,072
Countries applicable: US

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: US
Application no.: 94-207687
Patent no.: 5,564,075
Countries applicable: US

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: JP
Application no.: 94-38813
Patent no.: 07007469
Countries applicable: JP

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: FI
Application no.: 94-1066
Patent no.: 9401066
Countries applicable: FI

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: FR Application no.:

Patent no.: = EP 0 627 821

Countries applicable: BE, CH, DE, ES, FR, GB, IT, LU, NL, PT, SE

ETSI Deliverable: ETS 300 392-2

Notes: The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance 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: Dummy Burst Structure

Country of registration: AU
Application no.: 94-74213
Patent no.: 9474213
Countries applicable: AU

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: AU
Application no.: 94-57661
Patent no.: 9457661
Countries applicable: AU

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: EPC

Application no.: EP 94 400 502 **Patent no.:** EP 0 615 353

Countries applicable: BE, DE, ES, FR, GB, IT, NL, SE

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Power Control for Radio Access

Country of registration: FR
Application no.: 93 02 701
Patent no.: 2 702 614
Countries applicable: FR

Notes: Part 2: Air interface

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: TETRA

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: JP
Application no.: 213006/94
Patent no.: 254879/95
Countries applicable: JP

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: FI
Application no.: 94-4038
Patent no.: 9404038
Countries applicable: FI

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Time Slot Steeling in a multiplexed Radio System

Country of registration: EPO
Application no.: EP 94 401 946
Patent no.: EP 0 642 285

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: JP
Application no.: 235504/94
Patent no.: 170580/95
Countries applicable: JP

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Dummy Burst Structure

Country of registration: US

 Application no.:
 94-313798

 Patent no.:
 5,583,870

Countries applicable: US

Notes: Part 2: Air interface

Company name: Alcatel Project: TETRA

Title: Method for forming Groups of Communication Terminals

Country of registration: EPO

 Application no.:
 EP 94 200 739

 Patent no.:
 EP 0 675 660

Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, NL, SE

Company name: Alcatel 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: TETRA

Title: Method and device for interleaving a sequence of data elements

Country of registration: FR

Application no.:

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: Procédé d'Entrelacement d'une Séquence d'Éléments de Données, et Dispositif d'Entrelacement

correspondant

Country of registration: EPO 996232

Countries applicable: DE, ES, FR, GB, IT ETSI Deliverable: ETS 300 392

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance 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: 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

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration: FR
Application no.: 94 2 512
Patent no.: Countries applicable: FI

ETSI Deliverable: ETS 300 392-2

Notes: The signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the standard, to the extent that the IPRs remain essential.

Company name: Alcatel Project: **TETRA**

Title: Procédé et dispositif d'entrelacement d'une séquence d'éléments de données

Country of registration: FR

FR 2 706 054 Patent no.: Countries applicable: FR **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: Marconi Communications Ltd.

Project: **TETRA**

Country of registration:

Patent no.:

GB 2 177 873 Notes:

Patents essential to the TETRA Standard: I am writing to notify you, on behalf of Marconi

Communications Limited, of patent GB 2 177 873 which is considered essential to the above standard.

(Signatory: Roger K. Tolfree, Manager).

Company name: Marconi Communications Ltd.

Project: **TETRA**

Title: A Communication System

US Country of registration: 125469 Application no.: 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: **TETRA**

Title: A Communication System

Country of registration: IT

Application no.: 70146/BE/93 0269202 Patent no.: 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**

Signal Strength Measurement Title:

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: **TETRA**

Signal Transmission System Title:

Country of registration: GB 9005197.0 Application no.: Patent no.: 2241850

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: **TFTRA**

Title: A Communication System

Country of registration: FR Application no.:

87307453.8 0269202 Patent no.: FR 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: **TFTRA**

Title: A Communication System

Country of registration: DE

Application no.: 87307453.8 Patent no.: P.3787787.9

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: 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: Marconi Communications Ltd.

Project: TETRA

Title: Communication Systems and Stations for such a System

Country of registration:GBApplication no.:8723162Patent no.:2195870Countries 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
Title: Data Transmission System

Country of registration:GBApplication no.:8428154Patent no.:2166929Countries 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
Project: TETRA
Title: Radio System
Country of registration: FI

Country of registration: FI
Application no.: 943189
Countries applicable: FI

Company name: Motorola Project: TETRA

Title: Packet-Switched Cellular Telephone System

Country of registration: EPO Application no.: 89101118.1

Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

Company name: Motorola
Project: TETRA
Title: Radio System
Country of registration: TR
Patent no.: 28221

Company name: Motorola Project: TETRA

Title: Digital Speech Coder Having Improved Sub-Sample Resolution Long-Term Predictor **Country of registration:** GB

Country of registration: 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
Title: Radio System
Country of registration: EPO
Application no.: 93922524.9

Countries applicable: AT, DE, DK, ES, GB, SE

Company name: Motorola Project: TETRA

Title: Trunked Communication System with Nationwide Roaming Capability

Country of registration: EPO Application no.: 89901513.5

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

Company name: Motorola
Project: TETRA
Title: Radio System
Country of registration: PL
Application no.: P-304341

Company name: Motorola
Project: TETRA
Title: Radio System
Country of registration: RU
Application no.: 94035751.0
Countries applicable: RU

Company name: Motorola Project: TETRA

Title: Improved Dispatched Trunked Radio System

Country of registration: EPO

Countries applicable:

Patent no.: EP 0 210 181

Countries applicable: AT, BE, CH, DE, FR, GB, IT, NL, SE

PL

Company name: Motorola Project: TETRA

Title: Selective System Scan for Multizone Radiotelephone Subscriber Units

Country of registration: EPO

Patent no.: EP 0 352 786

 $\textbf{Countries applicable:} \qquad \qquad \mathsf{AT},\,\mathsf{BE},\,\mathsf{CH},\,\mathsf{DE},\,\mathsf{ES},\,\mathsf{FR},\,\mathsf{GB},\,\mathsf{GR},\,\mathsf{IE},\,\mathsf{IT},\,\mathsf{LU},\,\mathsf{NL},\,\mathsf{SE}$

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: Digital Speech Coder Having Improved Long Term Lag Parameter Determination

Country of registration: GE

Patent no.: EP0415163

Countries applicable: BE, CH, DE, FR, GB, IT, LI, NL

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

Title: Communication Signal Having a Time-Domain Pilot Component

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola TETRA
Title: Radio System
Country of registration: HU
Application no.: P9401972
Countries applicable: HU

Company name: Motorola Project: TETRA

Title: Communication Signal Having a Time-Domain Pilot Component

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola
Project: TETRA

Title: Radio System
Country of registration: RO
Application no.: 94-01115
Countries applicable: RO

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

Countries applicable: AT, BE, CH, DE, DK, FR, GB, IT, NL, SE

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

Country of registration: NO **Application no.:** NO 943346

 Application no.:
 NO 943346

 Patent no.:
 NO 9403346

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: JP

Application no.: JP 6-515724 Patent no.: JP 7504793

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: 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: 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: FI
Application no.: FI 930096
Patent no.: FI 92274

Company name: Nokia Project: TETRA

Title: Call Control In A Digital TDMA Radio System

WO 9413089

Country of registration: CN

Application no.: CN 94190016.9 **Patent no.:** CN 1101490

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

Patent no.:

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: PCT
Application no.: PCT/F193/00501

Company name: Nokia Project: **TETRA**

Title: Method For Realising A Group Call In A Digital Radio Network

Country of registration: PCT

Application no.: PCT/FI92/00248 Patent no.: WO 9307723

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: CN

CN 94190593.4 Application no.: Patent no.: CN 1113406

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

US 08/416, 731 Application no.: Patent no.: US 5634197

Company name: Nokia Project: **TETRA**

Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Title:

Priority Call

Country of registration: ΑU

Application no.: AU 74615/94 Patent no.: AU 674781

Company name: Nokia Project: TETR/

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 **TETRA** Project:

Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-

Priority Call

Country of registration: **EPO** EP 94924311.7 Application no.: 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**

Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Title:

Priority Call

Country of registration: **PCT** Application no.:

PCT/FI94/00348 Patent no.: WO 9505721

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: FΙ Application no.: FI 933576 Patent no.: FI 95428

Company name: Nokia Project: **TETRA**

Title: Method For Establishing Connection Between Communication Devices

Country of registration: US

Application no.: US 08/436, 185 US 5633913 Patent no.:

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: ΑU

AU 54673/94 Application no.: Patent no.: AU 674362

Company name: Nokia
Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: JP

Application no.: JP 6-511767
Patent no.: JP 8503112

Company name: Nokia Project: TETRA

Title: Method For Establishing Connection Between Communication Devices

Country of registration: FI
Application no.: FI 925236
Patent no.: FI 96156

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:
Project:
TETRA
Title:
Radio System
Country of registration:
Application no.:
EPO
EP 94900833.8

Patent no.: EP 671097

Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE

Company name: Nokia
Project: TETRA
Title: Radio System
Country of registration: JP
Application no.: JP 6-512808

Application no.: JP 6-512808 Patent no.: JP 8503587

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: Radio System
Country of registration: AU

 Application no.:
 AU 55639/94

 Patent no.:
 AU 683033

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 94900171.3

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: 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: Securicor Wireless Technology

Project: **TFTRA**

Title: Dual Sub-band modem

Country of registration: GB

Application no.: UK 9921951.1 GB

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: Thomson-CSF

Project: **TETRA**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

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

Thomson-CSF Company name:

Project: **TETRA**

Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio

Country of registration: **EPO** 87/4028541 Patent no.:

Thomson-CSF Company name: 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: **TFTRA**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

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**

Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes Title:

Country of registration:

Application no.: 909159568

Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant

sublicences

Thomson-CSF Company name:

Project:

Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio

Country of registration: FR Application no.: 86/17877 Countries applicable: FR

TETRA DMO

Company name: Motorola Project: TETRA DMO

Title: Mobile Communications Methods, Systems and Units

Country of registration: GB

Application no.: GB0121979.9

Countries applicable: GB

ETSI Deliverable: EN 300 396-6 (Work Item Reference: DEN/TETRA-06070)

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 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 DMO

Title: Mobile Communications Methods, Systems and Units

Country of registration: GB

Application no.: GB0121979.9

Countries applicable: GB

ETSI Deliverable: EN 300 396-6

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

TFTS

Company name: Project: Title: ВТ **TFTS**

Skyphone Fax Coder PCT

Country of registration: Application no.: Countries applicable:

PCT/GB 92/10623 DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

Company name: Project: Title: Country of registration: Patent no.:

TFTS Skyphone Fax Coder EPO

GB 92/02102

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

The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences Notes:

under the IPRs on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy,

in respect of the Standard, to the extent that the IPRs remain essential.

Company name: Telchemy Project: **TIPHON**

Title: Dynamic Quality of Service Monitor

Country of registration: US Application no.: 09/574,472 Patent no.: Countries applicable: US

ETSI Deliverable: TS 101 329-5

Notes: The Signatory and/or its affiliates hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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**

CDMA Transmission Delay Method and Apparatus Title:

Country of registration: US Patent no.: 5,479,397 Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

Title: Satellite Mobile Communication System for Rural Service Areas

Country of registration: US Patent no.: 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 5,193,109 Patent no.: Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

Piggy-Back Number and Routing Isolation for Cellular Telephone Switches Title:

Country of registration: US Patent no.: 5,216,703

Countries applicable:

Company name: AirTouch Communications

Project: **UMTS**

Frequency Signal Generator Apparatus and Method for Simulating Interference in Mobile Title:

Communications Systems

Country of registration: US

5,220,680 Patent no.: US

Countries applicable:

AirTouch Communications Company name:

Project: **UMTS**

Title: Microcell System in Digital Cellular US

Country of registration: 5,243,598 Patent no.:

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

Comparison

Country of registration: US

Patent no.: 5,420,910 Countries applicable:

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: UMTS

Title: Digital Microcells for Cellular Networks

Country of registration: US Patent no.: 5,678,186 Countries applicable: US

Company name: AirTouch Communications

Project:

Title: Spectral Sharing Communication System with Minimal Inter-Signal Interference

Country of registration: US Patent no.: 5,507,020 Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

Title: Method and Apparatus for Fraud Control in Cellular Telephone Systems

Country of registration: US 5,555,551 Patent no.: Countries applicable: US

Company name: AirTouch Communications

Project: **UMTS**

Title: Microcell System for Cellular Telephone Systems

Country of registration: US Patent no.: 5,506,147 Countries applicable: US

AirTouch Communications Company name:

Project: **UMTS**

Title: Cellular Telephone System

Country of registration: US 4,932,049 Patent no.: Countries applicable: US

Company name: AirTouch Communications

Project:

Title: In-Building Telephone Communication System

Country of registration: US Patent no.: 5,349,631 Countries applicable: US

ALCATEL Company name: **UMTS** Project:

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS Title:

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 2000-57048 Countries applicable: KR **ETSI Deliverable:** TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: ÉPO Patent no.:

0980159

DE, ES, FI, FR, GB, IT, SE Countries applicable:

ETSI Deliverable: TS 25.223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: **ALCATEL** Project:

Title: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: US

Application no.: 2002-0003785A1

Countries applicable: US **ETSI Deliverable:** TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Title: PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK

Country of registration: JP

Application no.: 2000-315 978 Countries applicable: JΡ **ETSI Deliverable:** TS 25.836

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: JP

Application no.: 2000-308146 Countries applicable: JΡ **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: CN1268825A Countries applicable: CN ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: LIMTS

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: ΑIJ 19258/06 Application no.: Countries applicable: ΑU ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK

Country of registration: ΑU Application no.: 22383/00 Countries applicable: ΑIJ TS 25.836 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

Title: PROCESS FOR SYNCHRONISING BASE STATIONS IN A WIRELESS COMMUNICATION NETWORK

Country of registration: EPO Application no.: 1041746 Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.836

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/280675
Countries applicable: US
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Titlé: PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES, ET DISPOSITIF

D'ENTRELACE-MENT CORRESPONDANT

Country of registration: EPO Patent no.: EPO 0627821

Countries applicable: BE, CH, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: AU
Application no.: 2599/00
Countries applicable: AU
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: US
Application no.: 09/291654
Countries applicable: US
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Titlé: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 10-2001-32722
Countries applicable: KR
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: JP
Application no.: 2000-201 133
Countries applicable: JP
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS Title:

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.: CN1256601A Countries applicable: CN TS 25.212

ETSI Deliverable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **UMTS** TD-CDMA Title:

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)

ALCATEL Company name: Project: **UMTS**

PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS Title:

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: ΑU Application no.: 64359/99 Countries applicable: ΑU **ETSI Deliverable:** TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: Patent no.: 2787279 Countries applicable: FR **ETSI Deliverable:** TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: PROCEDE D'ADAPTATION ENTRE RESSOURCES REQUISES ET RESSOURCES ALLOUEES DANS

UN SYSTEME DE RADIOCOMMUNICATIONS MOBILES

Country of registration: EPO Application no.: 1009117

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: UMTS Project:

Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage Title:

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: KR Application no.: 2000-17241

Countries applicable: KR **ETSI Deliverable:** TS 25 223 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: KR

 Application no.:
 PCT 10-2001-7003229

 ETSI Deliverable:
 TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: CN

Application no.: CN1255792A
Countries applicable: CN
ETSI Deliverable: TS 25.223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: FR
Patent no.: 2782428
Countries applicable: FR
ETSI Deliverable: TS 25.223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: US
Patent no.: 5564075
Countries applicable: US
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCESS FOR CONTROLLING UPLINK PACKET TRANSMISSION IN A WIRELESS

COMMUNICATION SYSTEM

Country of registration: EPO Application no.: 1033846

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.331
Notes: TS 95.331
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to gran

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration: US
Application no.: 09/398760
Countries applicable: US

ETSI Deliverable: TS 25.401; TS 25.427

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration:

Application no.: 1079542; W0 00/59131 Countries applicable: DE, ES, FR, GB, IT **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATE! **UMTS** Project:

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration: PCT

WO 01/03358 Application no.: Patent no.: 1069724 Countries applicable: DE, ES, FR, GB, IT **ETSI Deliverable:** TS 25.401; TS 25.427

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration: CN

Application no.: PCT CN 1297625A

Countries applicable: CN **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

Sendeleistungsregelung in einem Mobilkommunikationssystem Title:

Country of registration:

Application no.: PCT/EP00/02723 Countries applicable: JP

TS 25.214 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: **EPO** Application no.: 1164717

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: US

Application no.: 2002-0002057

Countries applicable: US

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: KR

Application no.: 10-2001-27009

Countries applicable: KR

ETSI Deliverable: TS 25.433: TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Alcatel Project: **UMTS**

Title: W-CDMA, TD-CDMA

Country of registration: 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: Project: **UMTS**

Sendeleistungsregelung in einem Mobilkommunikationssystem Title:

Country of registration: KR

Application no.: PCT 2001-43892

Countries applicable: KR **ETSI Deliverable:** TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

Title: Sendeleistungsregelung in einem Mobilkommunikationssystem

Country of registration: US Application no.: 09/313359 Countries applicable: US **ETSI Deliverable:** TS 25.214

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: **EPO** Application no.: 1045528

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: KR Application no.: 2000-71633 Countries applicable: KR **ETSI Deliverable:** TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration:

3210918 Patent no.: Countries applicable: JΡ **ETSI Deliverable:** TS 25.223

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration:

Application no.: 1077556; WO 01/13580

Countries applicable: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

ETSI Deliverable: TS 29.007

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project: Title: Funksystem Country of registration: CN

Patent no.:

94115600.1 CN

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: ALCATEL Project: UMTS Title: Funksystem Country of registration: JΡ Application no.: 203812/94

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.

ALCATEL Company name: Project: **UMTS** Funksystem Title: Country of registration: US Patent no.: 5592469

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.

ALCATEL Company name:

Project: **UMTS**

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration: CN

PCT 1317186 Application no.:

Countries applicable: CN

ETSI Deliverable: TS 25.401; TS 25.427

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration:

Application no.: PCT 2001-508102 Countries applicable: .IP

TS 25.401; TS 25.427 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ALCATEL Project: UMTS

Title: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:FRApplication no.:2810177Countries applicable:FRETSI Deliverable:TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Titlé: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.: CN 1329443A Countries applicable: CN TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Titlé: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: JP

Application no.: 2002-33700
Countries applicable: JP
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: JP

Application no.: 2000-0332681
Countries applicable: JP
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: CN

Application no.: CN1270453A
Countries applicable: CN
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: Makro-Diversity-Übertragung in einem Mobilfunksystem

Country of registration: KR

Application no.: PCT 2001-73117

Countries applicable: KR

ETSI Deliverable: TS 25.401; TS 25.427

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration: CN

Application no.: PCT 1360774A Countries applicable: CN ETSI Deliverable: TS 29.007

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION Title:

MOBILE. Country of registration: JP

Application no.: 2002-16981 Countries applicable: JΡ **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: US 09/282444 Application no.: 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.

Company name: ALCATEL Project: **UMTS**

PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION Title:

MOBILE. Country of registration: FR Patent no.: 2809273 Countries applicable: FR ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: Dispositif permettant des facteurs d'étalement différents tout en préservant un code d'embrouillage

commun, notamment pour la transmission dans un système cellulaire de radiocommunications mobiles du

type à accès multiple par répartition de codes.

Country of registration: US Application no.: 09/291748 Countries applicable: US **ETSI Deliverable:** TS 25,223

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL **UMTS** Project:

Title: A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration:

1124340; WO 01/59954 Application no.:

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ALCATEL Project: UMTS

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN Title:

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: ΑU Patent no.: 673576 Countries applicable: ΑU ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: US Patent no.: 6337987 Countries applicable: US **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: Application no.: 1045529

Countries applicable: DE, ES, FI, FR, GB, IT, SE

ETSI Deliverable: TS 25.331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: AU Application no.: 25230/00 Countries applicable: ΑU ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN Title:

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: FΙ Application no.: 941066 Countries applicable: FΙ ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: CN Application no.: CN1270481A Countries applicable: CN **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ALCATEL Project: **UMTS**

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE.

Country of registration: KR

Application no.: 10-2001-27264 Countries applicable: KR ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: KR Application no.: 2000-71632 Countries applicable: KR **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION Title:

MOBILE.

Country of registration: CN

Application no.: CN 1325201A Countries applicable: CN TS 25.331 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und Title:

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration: JP.

Application no.: PCT 2001-517753

Countries applicable: JΡ ETSI Deliverable: TS 29,007

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

Title: Datenübertragung zwischen einer ersten Mobilfunkvermittlungsstelle eines ersten Mobilfunksystems und

einer zweiten Mobilfunkvermittlungsstelle eines zweiten Mobilfunksystems

Country of registration: US Application no.: 09/414312 Countries applicable: US ETSI Deliverable: TS 29.007

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL** Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: US Patent no: 6337988 Countries applicable: US **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration: PCT

Application no.: 1069704; 1172943; WO 01/05055

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.331: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: ΑU PCT Application no.: Countries applicable: ΑU

ETSI Deliverable: TS 25.331; TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: CN

Application no.: PCT CN 1363148A Countries applicable: CN **ETSI Deliverable:** TS 25.331; TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: JP.

Application no.: PCT 2001-559164

Countries applicable: JΡ

ETSI Deliverable: TS 25.331; TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: KR

Application no.: PCT 10.2001-7012756 Countries applicable: KR

ETSI Deliverable: TS 25.331: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM Title:

USING A POWER CONTROL ALGORITHM

Country of registration:

ΑU PCT 62794/00 Application no.: ETSI Deliverable: TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ALCATEL
Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: CN

Application no.: PCT CN 1318229A ETSI Deliverable: TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: JP

 Application no.:
 PCT 2001-509172

 ETSI Deliverable:
 TS 25.331; TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: A METHOD FOR IMPROVING PERFORMANCES OF A MOBILE RADIOCOMMUNICATION SYSTEM

USING A POWER CONTROL ALGORITHM

Country of registration: JP

Application no.: 2000-332682
Countries applicable: JP
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: EPO 954195

Countries applicable: DE, ES, GB, IT, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: FR
Patent no.: 2702614
Countries applicable: FR
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: UMTS

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: CA
Application no.: 2258352
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

ALCATEL Company name: Project: UMTS

PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN Title:

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: Patent no.:

0615353

Countries applicable: BE, DE, ES, FR, GB, IT, NL, SE

ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: ΑU Application no.: 14296/99 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.

ALCATEL Company name: Project: **UMTS**

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN

Application no.: CN1233927A

Countries applicable: 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: **ALCATEL** Project: **UMTS**

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS. PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS JP

Country of registration: 2000-4473 Application no.:

Countries applicable: 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: **ALCATEL** Project: **UMTS**

PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES. ET DISPOSITIF Title:

D'ENTRELACE-MENT CORRESPONDANT

Country of registration: US Patent no.: 5742612 Countries applicable: US **ETSI Deliverable:** TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: **UMTS** Project:

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE.

Country of registration: US

Application no.: 2002-0004371 Countries applicable: US **ETSI Deliverable:** TS 25.331 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ALCATEL Project: UMTS

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

EPO Country of registration:

Application no.: 941 006

Countries applicable: DE, ES, FI, GB, IT, SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: CN

Application no.: CN1254246A

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.

ALCATEL Company name: Project: UMTS

Title: PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: JP.

Application no.: 2002-16547

Countries applicable: JΡ

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: LIMTS

Title: PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

FR

Country of registration:

Patent no.: 2778055

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.

ALCATEL Company name: Proiect: **UMTS**

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

FR Patent no.: 2 774 842

Countries applicable: FR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ALCATEL UMTS** Project:

Title: PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE

RADIOCOMMUNICATIONS MOBILES

Country of registration: US

Application no.: 09/245333

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

Company name: ALCATEL Project: UMTS

PROCEDE DE SELECTION DE CELLULE DANS UN SYSTEME CELLULAIRE DE Title:

RADIOCOMMUNICATIONS MOBILES

.IP Country of registration:

Application no.: 275628/99 Countries applicable: 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: ALCATEL **UMTS** Project:

Title: PROCEDE POUR LE CONTROLE DE PUISSANCE D'EMISSION DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.: 1270629; W0 02/41522

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: UMTS

Title: PROCEDE DE CONTROLE DE PUISSANCE DU PAQUET D'ACCES EMIS PAR UN MOBILE DANS UN

SYSTEME DE RADIOCOMMUNICATION, ET SYSTEME METTANT EN OEUVRE CE PROCEDE

Country of registration: JΡ Application no.: 7469/95 Countries applicable: JΡ ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: LIMTS

Title: PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE

TRANSMETTANT EN MACRO-DIVERSITE Country of registration: CN

CN1324195A Application no.:

Countries applicable: CN

ETSI Deliverable: TS 25.433; TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Proiect: **UMTS**

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: FR Application no.: 2809252 Countries applicable: FR

ETSI Deliverable: TS 25.433; TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS** Title: **Funksystem** EPO Country of registration: Application no.: 0641093 Countries applicable: DE, ES, FR, GB, 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

Company name: ALCATEL Project: **UMTS**

Title: PROCEDE DE SIGNALISATION DE PARAMETRES DE MODE COMPRESSE A UNE STATION

MOBILE.

Country of registration: **EPO** Application no.: 1156698

Countries applicable:

ETSI Deliverable:

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

A METHOD FOR SETTING A TRANSMISSION QUALITY TARGET VALUE FOR POWER CONTROL IN Title:

A MOBILE RADIOCOMMUNICATION SYSTEM.

Country of registration: US Application no.: 09/599519 Countries applicable: US **ETSI Deliverable:** TS 25.331; TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE D'ENTRELACEMENT D'UNE SEQUENCE D'ELEMENTS DE DONNEES, ET DISPOSITIF Title:

D'ENTRELACE-MENT CORRESPONDANT

Country of registration: FR Patent no.:

2706054 Countries applicable: FR **ETSI Deliverable:** TS 25.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ALCATEL Project: **UMTS**

PROCEDE D'AJUSTEMENT DE PUISSANCE D'EMISSION PAR DES STATIONS DE BASE Title:

TRANSMETTANT EN MACRO-DIVERSITE

Country of registration: Application no.: 1156595

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.433: TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ALCATEL Company name: Project: **UMTS**

PROCEDE DE TRANSMISSION DANS UN RESEAU RADIOTELEPHONIQUE UMTS, PERMETTANT Title:

DE PREPARER UN SAUT VERS UNE CELLULE GSM PENDANT UNE COMMUNICATION DANS UNE

CELLULE UMTS

Country of registration: CA Application no.: 2262804

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: **ASUSTeK** Project: **UMTS**

Enhancement to the Recovery Mechanism for Cell Update Procedure in Cell_DCH State Title:

Country of registration: US Application no.: 60/377,577

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

TS 25.331; TS 125 331 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ASUSTeK Project: UMTS

Title: Wireless Communications Device with a State Model

Country of registration: US
Application no.: 09/681,991
Countries applicable: TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Robust RLC Reset Procedure in a Wireless Communication System

Country of registration: US **Application no.:** 05/338,148

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Processing Unexpected Transmission Interruptions in a Wireless Communications System

Country of registration: US

Application no.: 09/683,085

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Preventing Shortened Lifetimes of Security Keys in a Wireless Communications Security System

Country of registration: US Application no.: US 09/682,310

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Window-Based Polling Scheme for a Wireless Communications Protocol

Country of registration: US
Application no.: 09/822,238
Countries applicable: TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Method of Initializing Hyper-Frame Numbers during an Establishment of a New Radio Bearer in a

Wireless Network

Country of registration: US
Application no.: 10/064,866
Countries applicable: US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK
Project: UMTS

Title: Applicable PDU Range Test and Calculation fo Window-Based Polling

Country of registration: US Application no.: US

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: ASUSTeK Project: UMTS

Title: Sequence Number Ordering in a Wireless Communications System

Country of registration: US

Application no.: 09/756,737

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK
Project: UMTS

Title: Correction to the Handling of RLC Unrecoverable Error on Dedicated Channel

Country of registration: US **Application no.:** 00/319,465

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK
Project: UMTS

Title: Abnormal Case Handling for Acknowledged Mode Transmission

Country of registration: US **Application no.:** 05/380,106

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Method for Handling Ciphering Status in a Wireless Network

Country of registration: US **Application no.:** US 10/064,778

Countries applicable: US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Time Based Stall Avoidance Mechanism for High Speed Wireless Communication System

Country of registration: US
Application no.: US
60/345.676

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.321; TS 125 321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK
Project: UMTS

Title: Determination of Acceptable Sequence Number Ranges in a Communications Protocol

Country of registration: US
Application no.: 09/779,490
Countries applicable: TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: ASUSTeK Project: UMTS

Title: Window Based Stall Avoidance Mechanism for High Speed Wireless Communication System

Country of registration: US Application no.: US 60/345,682

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.321; TS 125 321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: **ASUSTeK** Project: UMTS

Title: A Scheme to Handle Timers after an RLC Reset or Re-establishment

Country of registration:

Application no.: 10/064,747

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Preventing Excessive Use of Security Keys in a Wireless Communications Security System

Country of registration: US Application no.: 09/682,311

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Missing Gap Removing Schemes in High Speed Wireless Communication Systems

Country of registration: US Application no.: 60/353,389

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Method for Determining Triggering of a PDCP Sequence Number Synchronization Procedure

Country of registration: LIS Application no.: 60/319,240

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.323; TS 125 323

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Method for Determining RLC Entity Re-establishment during RNS Relocation

Country of registration: Application no.:

10/064.202

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

ASUSTeK Company name: Project: **UMTS**

Title: Lossless SRNS Relocation Procedure in a Wireless Communications System

Country of registration: US 09/682,006 Application no.:

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.331; TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK UMTS** Project:

Title: Data Discard Signalling Procedure in a Wireless Communication System

Country of registration: Application no.: 60/353,207

Countries applicable: CN, DE, FI, FR, GB, JP, KR, SE, TW, US

ETSI Deliverable: TS 25.322; TS 125 322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: **ASUSTeK** Project: UMTS

Title: Initialization for Hyper Frame Number of Signaling Radio Bearers

Country of registration:

Application no.: 10/064,865 US

Countries applicable: **ETSI Deliverable:**

TS 25.331; TS 125 331

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **ASUSTeK** Project: **UMTS**

Title: Length Indicator for a Protocol Data Unit in a Wireless Communications Protocol

Country of registration: US Application no.: 09/822,226 Countries applicable: TW, US

TS 25.322; TS 125 322 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Canon **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: **UMTS** Project: Country of registration:

Application no.:

Notes: CCETT (Centre Commun d'Etudes de Télédiffusion et Télécommunications) has declared that it is prepared to grant irrevocable licenses under IPRs it controls and which may be considered Essential (the IPRs) to the Standards UMTS (the Standards), granted or pending, relatively to the different technologies of the Standards as UTRA, access network, core network, SIM, etc., on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the Standard, to the extent that IPRs

remain Essential.

Company name: Ericsson Project: **UMTS**

Title: Reconfiguring diversity legs during cn-ran interface streamlining

Country of registration:

Application no.: WO 00/11899

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Rehoming automation

Country of registration:

WO 01/41493

Application no.: Countries applicable:

AR, EPO, MY, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: An adaptive criterion for speech coding

Country of registration: US

Application no.: WO 00/13174 Patent no.: US-6192335

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA 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: Synchronization techniques and systems for spread spectrum radiocommunication

Country of registration:

Application no.: US 09/100951 Patent no.: US-6278699 Countries applicable: CN, GB, HK, JP, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: System and method for estimating interfrequency measurements used for radio network function

Country of registration: US

Application no.: WO 00/38457

AR, AU, CA, CN, EPO, JP, KR, MY, PCT, TW, US 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: Ericsson **UMTS** Project:

Title: Reconfigurable search window size for efficient implementation

Country of registration: US

Application no.: WO 01/89109 Countries applicable: EPO, PCT, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Control of compressed mode transmission in WCDMA

Country of registration: US

Application no.: WO 01/41492

Countries applicable: AR, DE, FI, FR, GB, IT, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Implicit resource allocation in a communications system

Country of registration: US

Application no.: WO 00/22866

Countries applicable: AR, CN, DE, GB, MY, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

System network and method for the transference of cell handover information Title:

Country of registration: US Application no.:

WO 01/11878 US-6131030 Patent no.:

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 controlling the use for discontinuous transmission in a cellular telephone

Country of registration:

Application no.: WO 98/28734 Patent no.: US-5737695

Countries applicable:

AR, AU, BR, CA, CN, DE, GB, MX, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Intelligent networks and packet data network interworking

Country of registration: US

WO 99/60801

Application no.: Countries applicable:

AU, BR, CA, CN, DE, FR, GB, IN, JP, KR, MX, RU, SG, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Coding for higher-level modulation

Country of registration: US

WO 98/23073 Application no.: US-5812601 Patent no.:

BR, CA, IN, MY, TH, TW, US 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: **UMTS**

Paging channel configuration for efficient wake-up utilization Title:

Country of registration: US

Application no.: WO 00/13451

Countries applicable: AU, CN, DE, FI, FR, GB, HK, IT, JP, KR, MY, SE, TH, US, VE

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Random access in a mobile telecommunications system Title:

Country of registration: US

Application no.: WO 98/18280 Patent no.: US-6259724

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method for multiplexing of parallel information streams in a CDMA system

Country of registration: US

Application no.: WO 98/18218 Patent no.: US-5831978

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Open 'plug and play' O and M architecture for a radio base station

Country of registration:

Application no.: WO 99/22541 Patent no.: US-6041228

Countries applicable:

AU, CA, CN, DE, GB, IT, JP, KR, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: Method and apparatus for reliable and efficient data communications

Country of registration: US

Application no.: WO 00/49761

AR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US 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: **UMTS**

Title: Complex signal activity detection for improved speech/noise classification of an audio signal

Country of registration: US

Application no.: WO 00/31720

Countries applicable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Communication network and method for charging and accounting

Country of registration:

Application no.: EP1014619

US

Countries applicable: DE, ES, FI, FR, GB, IT, NL, SE

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Slotted mode code usage in a cellular communications system

Country of registration: US

Application no.: WO 00/27052 Patent no.: US-6339646

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, SE, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Method and apparatus for ensuring reliable data communication Title:

Country of registration: US

Application no.: WO 00/33503

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Control of power ratios for in-phase and quadrature channels in a communications system

Country of registration:

Application no.: WO 00/13312 Patent no.: US-6337876

Countries applicable: AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, MY, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Automatic gain control for slotted mode operation

Country of registration: US

Application no.: WO 00/31867

CN, DE, FI, FR, GB, HK, IL, IN, IT, JP, SE, US 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 **UMTS** Project:

Title: Method and system for improved traffic management in wireless telecommunication systems

Country of registration: US

WO 00/19762 Application no.: US-6253087 Patent no.:

AR, CA, CN, DE, US 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: **UMTS** Pre-page timer Title: Country of registration: US

Application no.: WO 00/30392 Patent no.: US-6330444

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA 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: Ericsson **UMTS** Project:

Title: Minicells with variable payload size

Country of registration:

Application no.: WO 97/27691

Countries applicable: AU, BR, CA, CN, DE, ES, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: A method and an electronic apparatus for positioning a cursor on a display

Country of registration:

Application no.: WO 02/21253 Countries applicable: PCT, SE, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Code allocation in CDMA

Country of registration: US

Application no.: WO 00/24146 Patent no.: US-6163524 Countries applicable: CA, DE, GB, JP, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Minicell voice and data multiplexing

Country of registration: US

Application no.: WO 97/48251 Patent no.: US-5802051

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MX, MY, PH, RU, SG, TH, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method and system for alternating transmission of codec mode information

Country of registration: US

Application no.: WO 00/16513

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Speech coding with improved background noise reproduction

Country of registration: US

Application no.: WO 00/16313 Patent no.: US-6275798

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA 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: Ericsson Project: UMTS

Title: Synchronization of base stations in a cellular telecommunications system

Country of registration:

Application no.: WO 98/28863 Patent no.: GB-2320650 Countries applicable: BR, CA, GB, MX, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: **UMTS** Project:

Speech coding with comfort noise variability feature for increased fidelity Title:

Country of registration:

Application no.: WO 00/31719

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Adaptive power control in a radio communications system

Country of registration:

Application no.: WO 00/55976

AR, AU, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US 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: Ericsson Project: **UMTS**

Title: Multiple access communications system using code and time division

Country of registration:

Application no.: WO 97/32413 US-5894473 Patent no.:

AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MY, NL, SE, SG, US 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: Ericsson Project: **UMTS**

Title: Method and device for telecommunication

Country of registration: US

Application no.: WO 96/34478 US-5978375 Patent no.:

AU, CA, CN, DE, ES, FI, FR, GB, IL, IT, JP, NO, SE, US 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: **UMTS**

Method and arrangement in a radio communication system Title:

Country of registration: US

Application no.: WO 96/31077 US-6097717 Patent no.:

AU, BE, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, NL, NO, RU, SE, SG, US 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 **UMTS** Project:

Title: Unstructured supplementary service data from a home location register to an external node

Country of registration:

Application no.: WO 96/20572 Patent no.: US-5752188

Countries applicable: Notes:

AU, CA, CN, FI, JP, KR, MX, RU, SG, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Code-rate increased compressed mode DS-CDMA systems and methods Title:

Country of registration:

Application no.: WO 97/40593 US-5883899 Patent no.:

Countries applicable:

AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, ID, IT, JP, KR, MX, MY, NL, PH, SG, TH, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Non-continuous transmission for seamless handover in DS-CDMA systems

Country of registration:

Application no.: WO 94/29981 Patent no.: US-5533014

Countries applicable:

Notes:

AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, ID, IT, JP, KR, MX, MY, NL, PH, SE, SG, TH, TW, US The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: System and method for setting of output power parameters in a cellular mobile telecommunication system

Country of registration: US

Application no.: WO 96/31013 Patent no.: US-5634195

Countries applicable: AU, BR, CA, MX, NZ, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.:

WO 00/21320

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Control/pilot channel reselection between cells belonging to different registration areas Title:

Country of registration: US

Application no.: WO 97/33448 US-5930710 Patent no.:

AR, AU, BR, CA, CL, CN, CO, DE, GB, IT, JP, KR, MY, TH, TW, US, UY, VE Countries applicable:

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: UMTS

Title: Linear predictive analysis-by synthesis encoding method and encoder

Country of registration:

Application no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Provisioning of GPS assistance data in a WCDMA network

Country of registration:

WO 00/34800

Application no.:

Countries applicable: AR, AU, CA, CN, DE, GB, JP, KR, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

Title: Hybrid ARQ for packet data transmission

Country of registration: US

Application no.: WO 02/23792 Countries applicable: EPO, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Flexible ARQ for packet data transmission Title:

Country of registration: US

Application no.: WO 02/09342

Countries applicable: AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Plural signalling channels for communicating signalling information to a user equipment terminal in a radio Title:

communications system.

Country of registration:

Application no.: WO 02/01769

Countries applicable: AR, EPO, MY, PCT, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: A two stage data packet processing scheme

Country of registration: US

Application no.: WO 02/17550 Countries applicable: AR, EPO, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method for signalling in a telecommunication system

Country of registration: US

US 08/193845 Application no.: Patent no.: US-5724664

Countries applicable: AU, CN, DE, DK, ES, FI, FR, GB, GR, HK, IT, MX, NL, SE, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Server capability database

Country of registration: US

WO 01/72065 Application no.: Countries applicable: EPO, PCT

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Atm method and apparatus utilizing decoupling minicells

Country of registration:

Application no.: WO 97/44907 Patent no.: US-5809023

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 **UMTS** Project:

Title: Subscriber database management in a mobile telecommunications system

Country of registration: US

WO 97/31500 Application no.: Patent no.: US-5956637 Countries applicable: DE, FI, FR, GB, IT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: A method and apparatus for efficient transmit diversity using complex space-time block codes

Country of registration: US Application no.: WO 01/56218 EPO, PCT, US 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: **UMTS**

Title: Temporary service interruption for high speed data transfer

Country of registration: US

WO 02/37887 Application no.: Countries applicable: EPO. PCT. US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Service parameter interworking method Title:

Country of registration: US

Application no.: WO 01/15460

Countries applicable: AU, CN, DE, ES, FR, GB, IT, JP, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Method and system for improving the performance of inter-system handovers Title:

Country of registration: US

WO 01/54443 Application no.:

Countries applicable: AR, EPO, MY, PCT, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

Title: Method and arrangement relating to telecommunications systems

Country of registration:

Application no.: WO 96/34504 Patent no.: US-6052589

Countries applicable:

AU, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Apparatus, method and system for short message service center storage control

Country of registration: US

WO 01/60088 Application no.: Countries applicable: EPO, PCT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: W-CDMA, TD-CDMA

Country of registration:

Notes:

Ericsson has declared that it has patent(s) and/or pending patent application(s) relating to the W-CDMA proposal and the TD-CDMA proposal Ericsson is fully prepared to grant licenses to these patents on fair, reasonable and Non-discriminatory basis in accordance with the terms and conditions set forth in Clause 6.1 of the ETSI IPR Policy.

Company name: Ericsson Project: **UMTS**

Minicells with variable payload size Title:

Country of registration:

Application no.: WO 97/27690 US-6341131 Patent no.:

Countries applicable:

AU, BR, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Mobile station radio link timing error detection and adjustment

Country of registration:

Application no.: WO 01/50806

Countries applicable: AR, AU, CN, EPO, JP, KR, MY, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Handover neighbour list

Country of registration: US

Application no.: WO 01/78438 Countries applicable: EPO, PCT, SE, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Quality measurements on different frequencies

Country of registration:

Application no.: WO 02/21756 Countries applicable: PCT, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Using internet protocol (IP) in radio access network Title:

Country of registration:

Application no.: WO 01/60023

Countries applicable:

AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Efficient apparatus for simultaneous modulation and digital beamforming for an antenna array Title:

Country of registration: US

Application no.: WO 97/21284 Patent no.: US-5909460

Countries applicable:

AU, BR, CA, CN, DE, FR, GB, JP, KR, SE, SG, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Forward link transmission mode for CDMA cellular communications system

Country of registration: US

Notes:

Application no.: WO 98/29965 Patent no.: US-5953325

AU, BR, CA, CN, DE, FR, GB, IT, JP, KR, MX, MY, NL, PH, SG, TH, TW, US, VE

Countries applicable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Air-interface efficiency in wireless communication system Title:

Country of registration: US

Application no.: WO 02/37888

Countries applicable: EPO, PCT, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Adaptive handoff algorithm for a multimedia CDMA system Title:

Country of registration: US

WO 00/54540 Application no.:

Countries applicable: AR, AU, CN, EPO, IN, JP, KR, MY, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Efficient handling of connections in a mobile communications network

Country of registration: U

Application no.: WO 00/62572

Countries applicable: AR, AU, CA, CN, DE, FR, GB, JP, KR, MY, NL, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Power control based on combined quality estimates

Country of registration: US

Application no.: WO 01/01602

Countries applicable: AR, AU, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson
Project: UMTS

Title: System and method for transmitting comfort noise across a mobile communications network

Country of registration: US

Application no.: WO 01/45870
Countries applicable: FPO PCT US

Countries applicable: EPO, PCT, US 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: Ericsson UMTS

Title: Cell breathing reduction
Country of registration: US

Country of registration: Application no.:

WO 01/17300

Countries applicable: AR, EPO, PCT, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Handling errors occurring in base -station of a CDMA system

Country of registration: US

Application no.: WO 01/60095 Countries applicable: AR, EPO, SE, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Adaptive location level

Country of registration: US

Application no.: WO 00/38469
Patent no.: US-6223044

Countries applicable: AP All CA C

Countries applicable: AR, AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Scrambling code coordination between rnc nodes

Country of registration:

Application no.: WO 00/70805 AR, SE, TW, US 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: **UMTS**

Title: Method and apparatus for broadcasting system information in a cellular communications network

Country of registration:

Application no.: WO 00/72609

Countries applicable: AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Coordination paging and access restriction groups Title:

Country of registration:

US

Application no.: WO 00/52948

Countries applicable:

Notes:

AR, AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS**

Event based reporting of mobile station measurements Title:

Country of registration: US Application no.: WO 00/70897

AR, AU, BR, CN, DE, FI, FR, GB, ID, IN, IT, JP, KR, MY, SE, TW, US, ZA

Countries applicable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Adaptive RACH power determination for mobile telecommunications user equipment unit

Country of registration: US

Application no.: WO 01/28126

Countries applicable:

AR, DE, FI, FR, GB, IT, MY, SE, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Arrangement for improving the speech quality, especially voice over IP calls Title:

Country of registration:

Application no.: WO 00/54529

Countries applicable: AU, CN, DE, FI, FR, GB, IT, JP, KR, NO, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Network control user equipment capabilities indication

Country of registration:

Application no.: WO 01/26409

Countries applicable: AR, DE, FI, FR, GB, IT, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: **UMTS**

Project:

Communication system and method for setting up connections between terminals of a first and second Title:

communication network

Country of registration:

Application no.: WO 00/04736

AU, BR, CA, CN, DE, MX, TW, US 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: Ericsson **UMTS** Project:

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 00/62436

Countries applicable: AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Power control in a CDMA mobile communication system

Country of registration: US

Application no.: WO 00/65748

Countries applicable: AR, AU, CA, CN, EPO, GB, IT, JP, KR, MY, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Facsimile services in mobile networks

Country of registration: US

Application no.: WO 00/76123 Countries applicable: EPO, NO, PCT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Subscriber station, network control means and method for carrying out inter-frequency measurements in a

mobile communication system

Country of registration:

WO 01/17307 Application no.:

Countries applicable: AR, EPO, MY, PCT, TW, US

US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Transport format combination indicator mapping for telecommunications

Country of registration:

Application no.: WO 01/17283

Countries applicable: AR, EPO, MY, PCT, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Paging response in neighbour cell

Country of registration: US

WO 01/26407 Application no.:

Countries applicable: AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Packet data communications scheduling in a spread spectrum communication system Title:

Country of registration: US

Application no.: WO 99/13600

Patent no.: US-6236646

AR, AU, BR, CA, DE, FR, GB, IN, JP, MX, MY, TW, US, ZA 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: Ericsson Project: **UMTS**

Title: Frame based system information transmission method

Country of registration: US

Application no.: WO 01/15344

Countries applicable:

AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Communications system and method for matching and balancing the bit rates of transport channels to the

> bit rate of a physical channel US

Country of registration:

Application no.: WO 00/62465

Countries applicable:

AR, AU, BR, CA, CN, EPO, ID, IN, JP, KR, MY, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Gateway location registers in a UMTS system Title:

Country of registration: US

WO 00/62561 Application no.:

Countries applicable: BR, CN, DE, EPO, FR, GB, JP, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method for minimizing feedback responses in ARQ protocols

Country of registration:

Application no.: WO 00/62466

Countries applicable: AR, AU, BR, CA, CN, EPO, IN, JP, KR, MY, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: IP address allocation for mobile terminals

Country of registration: US

Application no.: WO 00/60824

Countries applicable: AR, CA, CN, EPO, GB, IN, JP, KR, MY, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Synchronization in diversity handover Title:

Country of registration: US

Application no.: WO 01/59958

Countries applicable: AR, EPO, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS** Title:

UMTS circuit switched data user plane US

Country of registration: Application no.: WO 00/76138

Countries applicable: AU, BR, CN, EPO, IN, JP, KR, NO, US, ZA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Technique for providing a secure link in a mobile communication system

Country of registration: US

Application no.: WO 01/05121 Patent no.: US-6301479

Countries applicable: AR, CN, EPO, JP, KR, MY, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Method and apparatus for secure communication background

Country of registration: Application no.:

WO 00/74345 CN, EPO, JP, US

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: Controlled antenna diversity

Country of registration:

Application no.: WO 01/05088A1

Countries applicable: CN, EPO, HK, IN, JP, MY, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

System and method for estimating interfrequency measurements used for radio network function Title:

Country of registration: US

Application no.: WO 00/38455

Countries applicable: AR, CA, CN, DE, FI, FR, GB, IT, KR, MY, SE, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Transparent communication interception In a core transport network Title:

Country of registration: US

Application no.: WO 01/47222 Countries applicable: EPO, PCT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS**

Minicell segmentation and reassembly Title:

Country of registration: US Application no.: WO 97/38550 Patent no.: US-5822321

Countries applicable: AU, BR, CA, CN, DE, ES, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Correction of received signal and interference estimates

Country of registration: US

Application no.: WO 01/65717

Countries applicable: Notes:

AR, DE, FI, FR, GB, IT, SE, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Update of header compression state in packet communications

Country of registration: Application no.:

AR, CA, CN, DE, FI, FR, GB, IT, JP, SE, US 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: Processing of calls terminating in a packet switched protocol based cellular communication network

Country of registration:

Application no.: WO 00/67500

Countries applicable: CA, CN, DE, FI, FR, GB, IT, SE, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Inter-system handover - generic handover mechanisms Title:

Country of registration:

Application no.: WO 00/60895

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US, ZA

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Telephony services provided by an ATM network Title:

Country of registration: SF

Application no.: WO 98/28884

Patent no.: SE-511581 AU, BR, CA, CN, DE, FR, GB, JP, MX, NO, SE, TR, US 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: **UMTS**

Title: Selecting a communications channel for a mobile station based on handover intensity

Country of registration: US

Application no.: WO 98/18281 Patent no.: US-5822696

AU. BR. CA. CN. DE. FI. GB. JP. NL. US 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: Ericsson Project: **UMTS**

Mapping of control plain information to relocated user plan bearers Title:

Country of registration: US

Application no.: WO 01/39534

Countries applicable: AR, EPO, GB, MY, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Method and apparatus for addressing a wireless communication station with a dynamically assigned

address

Country of registration: US Application no.: WO 97/48246

Patent no.: US-5708655

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, MX, NL, NZ, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Bit error estimates from pilot signals

Country of registration:

Application no.: WO 01/41350

Countries applicable:

AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Methods and arrangements in a radio communications system

Country of registration:

Application no.: WO 98/57450 Patent no.: SE-509836

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US 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: Ericsson **UMTS** Project:

Title: Restricted mobility area

Country of registration: US

Application no.: WO 98/37722 Patent no.: US-6212390

CA, JP, SE, TW, US 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: UMTS

Title: Call set-up in a mobile telecommunications system

Country of registration: US

Application no.: WO 02/01903 Countries applicable: AR, EPO, GB, PCT, TW

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Bandwidth efficient acknowledgement/negative acknowledgement in a communication system using

automatic repeat request (ARQ)

Country of registration: US

Application no.: WO 00/33502 Patent no.: US-6367045

Countries applicable: AR, DE, GB, MY, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Error correction of important fields in data packet communications in a digital mobile radio network Title:

Country of registration: Application no.:

WO 02/01784

Countries applicable:

EPO, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method in a telecommunication system

Country of registration:

Application no.: WO 00/38351

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US 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: **UMTS**

Title: Basic architecture for packet switched protocol based GSM networks

Country of registration:

Application no.: WO 00/52944

Countries applicable:

CA, CN, DE, FI, FR, GB, IT, JP, SE, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Muting a microphone in radiocommunication systems Title:

Country of registration: US

Application no.: WO 98/09374 Patent no.: US-5881373

Countries applicable:

AR, AU, BR, CA, CL, CN, CO, ID, IN, JP, KR, NO, RU, TR, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Transfer of overlapping routing area control information in a radio access network Title:

Country of registration: US

Application no.: WO 01/19116

Countries applicable: AR, EPO, MY, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Processing of mobile originated calls in packet switched protocol based communication networks

Country of registration: US

Application no.: WO 00/60887

Countries applicable: CA, DE, FI, FR, GB, IT, JP, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Despreading method and arrangement in communication system

Country of registration:

US Application no.: WO 98/33290 US-6091761 Patent no.:

Countries applicable:

AU, BR, CA, CN, DE, ES, GB, JP, KR, MX, MY, SE, SG, TH, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method and apparatus for transferring information between mobile terminals and entities in a radio access

network

Country of registration: US

Application no.: WO 00/51374

Countries applicable:

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Multi-service handling by a single mobile station

Country of registration: US

Application no.: WO 99/16264 Patent no.: US-6363058

Countries applicable: AR, AU, CA, CN, DE, GB, IN, IT, JP, KR, MY, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: System and method for mobile assisted admission control

Country of registration: US

Application no.: WO 99/17582 US-6028851 Patent no.:

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Efficient transport of internet protocol packets using asynchronous transfer mode adaptation layer two

Country of registration:

Application no.: WO 99/16284 Patent no.: US-6041054

Countries applicable:

Notes:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS**

Title: Rate adaptation to improve coverage

Country of registration: US

Application no.: WO 01/41332

Countries applicable:

AR, EPO, MY, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Link layer acknowledgment and retransmission for cellular telecommunications

Country of registration:

Application no.: WO 01/37473

Countries applicable:

Notes:

AR, DE, FI, FR, GB, IT, MY, SE, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method and apparatus for efficient synchronization in spread spectrum communications

Country of registration:

Application no.: WO 00/54424

AR, AU, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MY, SE, TW, US 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: **UMTS**

Title: Power control in a CDMA mobile communication system

Country of registration:

Application no.: WO 01/20808 Countries applicable: EPO, PCT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Flexible user rate handling for h.324m multi-media services in mobile access networks Title:

Country of registration: US

Application no.: WO 01/20867 Countries applicable: EPO, PCT, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS** Title:

Inter frequency measurement reporting

Country of registration: US Application no.: WO 01/20942

Countries applicable:

AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method and apparatus for compressed mode communications over a radio interface

Country of registration: US

Application no.: WO 01/24566

AR, EPO, MY, PCT, TW, US 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: **UMTS**

Method and devices to provide a defined quality of service in a packet switched communication network Title:

Country of registration:

Application no.: WO 01/48979

Countries applicable: AR, EPO, MY, PCT, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Dynamic (shared) interworking function selection for mobile to mobile calls in various networks

Country of registration:

WO 01/58188 Application no.: EPO, PCT, US 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: **UMTS**

Title: Method for performing cell and URA updates in a radio access network

Country of registration:

Application no.: WO 01/31940

AR, EPO, MY, PCT, TW, US 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: Ericsson Project: **UMTS**

Method and system for facilitating timing of base stations in an asynchronous CDMA mobile Title:

communications system

Country of registration:

Application no.: WO 99/41854

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Short packet circuit emulation

Country of registration: US

Application no.: WO 98/51114 Patent no.: US-6195353

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, PH, RU, SG, TW, US 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: Ericsson Project: **UMTS**

Synchronization to a base station and code acquisition within a spread spectrum communications system Title: US

Country of registration:

Application no.: WO 99/12273 Patent no.: US-5930366

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Speech coding including soft adaptability feature

Country of registration: US

Application no.: WO 99/45532 Patent no.: US-6058359

Countries applicable: CN, DE, FR, GB, JP, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 adaptive thresholds for cell load sharing

Country of registration:

Application no.: US 09/108442 Patent no.: US-6266531 US

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: Fricsson **UMTS** Project:

Title: A variable sleep mode for mobile stations in a mobile communications network

Country of registration: US

Application no.: WO 00/22837

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA 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: Ericsson Project: **UMTS**

Title: Frame synchronization techniques and systems for spread spectrum radio communication

Country of registration: US

Application no.: WO 99/66661

Countries applicable:

AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, SE, US The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 system for decoding codec mode information using a priori knowledge

Country of registration: US

Application no.: WO 00/13363 Patent no.: US-6256487

AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US, ZA 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: **UMTS**

Deterministic variation of codebook structure Title:

Country of registration: US

Application no.: WO 00/16314

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method and apparatus for minimizing overhead in a communication system

Country of registration: US

WO 00/05911 Application no.:

Countries applicable: AU, BR, CN, DE, FI, FR, GB, HK, IT, JP, KR, MX, MY, PH, SE, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method for providing a unique temporary identification of a mobile station

Country of registration:

Application no.: WO 98/32305 Patent no.: US-6208628

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, ID, IT, MY, NO, TW, US, VE, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: High resolution post processing method for a speech decoder

Country of registration: US

Application no.: WO 98/39768 Patent no.: US-6138093

Countries applicable: BR, CA, CN, DE, ES, GB, IT, JP, KR, MX, RU, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method for the selection of transmission entities

Country of registration: US

EP-1187505 Application no.:

CA, DE, ES, FR, GB, SE, US 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: **UMTS**

System and method for secondary traffic charging in a radio telecommunications network Title:

Country of registration: US

Application no.: WO 98/48565 US-6061556 Patent no.: CA, DE, GB, JP, US 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: UMTS

Title: Transport of radio network-originated control information

Country of registration:

Application no.: WO 01/72057 Countries applicable: EPO, PCT, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: 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

Ericsson Company name: Project: **UMTS**

Title: Procedure for downloading of cell information to mobiles in idle mode

Country of registration: US Application no.: WO 01/76274 Countries applicable: EPO, PCT, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Continuous cipher synchronization for cellular communication system Title:

Country of registration: US

Application no.: WO 91/14315 Patent no.: US-5060266

Countries applicable: AR, AU, BR, CA, CL, CN, DE, DK, ES, FI, FR, GB, HK, IL, IN, IT, JP, KR, MX, MY, NL, PH, SG, TR, TW,

US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Methods in a Cellular Mobile Radio Communications System Title:

Country of registration: Application no.: 035,797 Patent no.: US-5487174 Countries applicable: AU, MX, NZ, TW, US

Company name: Ericsson Project:

Title: Method and System for Channel Allocation using Power Control and Mobile Assisted Handover

Measurements

Country of registration: SE Application no.: 207,032 US-5491837 Patent no.: Countries applicable: SG, US

Company name: Ericsson Project: **UMTS**

Best Server Selection in Layered Cellular Radio System Title:

Country of registration: SE 090,734 Application no.: Patent no.: US-5499386 Countries applicable: CO, PH, TW, US, ZA

Company name: Ericsson UMTS Project:

System and Method for Joint Demodulation of CDMA Signals Title:

Country of registration: Application no.: 155,557 Patent no.: US-5506861 AU, GB, TW, US Countries applicable:

Title: System and method for allocating channel elements in a code division multiple access radio

telecommunications network

Country of registration: US

Application no.: WO 98/48529 US-5933777 Patent no.: Countries applicable: CA, DE, GB, JP, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

TDMA/FDMA/CDMA Hybrid Radio Access Methods Title:

Country of registration: SE Application no.: 179,954 Patent no.: US-5539730

Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE, US, ZA

Company name: Ericsson Project: UMTS

Title: System and method for dynamically increasing the capacity of a code division multiple access radio

telecommunications network

Country of registration: US

Application no.: WO 98/48530 Patent no.: US-6078817 Countries applicable: CA, DE, GB, JP, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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: **UMTS**

Release of UE's using the page procedure Title:

Country of registration: US Application no.:

PCT/SE01/02445 Countries applicable: EPO, PCT, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Downlink transmit power synchronization during diversity communication with a mobile station

Country of registration: US

Application no.: WO 01/65724

AR, EPO, MY, PCT, TW, US 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: **UMTS**

Method and apparatus for releasing connections in an access network Title:

Country of registration:

WO 01/62030 Application no.:

Countries applicable: AR, EPO, MY, PCT, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Geographical restriction in cellular telecommunications network

Country of registration:

Application no.: WO 99/07167 Patent no.: US-6230017

Countries applicable: AU, BR, CA, CN, DE, GB, IT, JP, KR, MX, PH, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 98/49857 Patent no.: US-6163533

Countries applicable: AR, AU, BR, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, MX, PH, RU, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Communication methods and apparatus based on orthogonal Hadamard-based sequences having

selected correlation properties

Country of registration:

Application no.: WO 00/10277

US

Countries applicable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson

UMTS Project:

Title: Low Capacity Mobile Assisted Handoff in a Cellular Communications Network

Country of registration: SF Application no.: 103.135 US-5517674 Patent no.: Countries applicable: US

Company name: Ericsson **UMTS** Project:

Title: Flexible radio access and resource allocation in a universal mobile telephone system

Country of registration: US

Application no.: WO 99/52307 Patent no.: US-6374112

Countries applicable: AU, CA, CN, DE, FI, FR, GB, IT, JP, KR, SE, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Telecommunications inter-exchange measurement transfer Title:

Country of registration: US

Application no.: WO 99/45736

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method and arrangement for increasing the range for a telecommunication network in a

telecommunication system

Country of registration: US

Application no.: WO 96/34504 US-6154647 Patent no.:

Countries applicable: AU, CA, CN, DE, ES, FI, FR, GB, IT, JP, KR, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Circuit emulating exchange using micro cells

Country of registration: US

Application no.: WO 95/34977 Patent no.: US-5805588

Countries applicable: AU, BE, BR, CA, CH, CN, DE, DK, ES, FI, FR, GB, GR, IL, IT, JP, KR, MX, MY, NL, NO, SE, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Remote control supplementary service

US

Country of registration:

WO 95/21509 Application no.: US-5781858 Patent no.: JP. SE. US

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.

Ericsson Company name: Project: **UMTS**

Title: Multi-code compressed mode DS-CDMA systems and methods

Country of registration: US

WO 97/40592 Application no.: Patent no.: US-5896368

Countries applicable:

Notes:

AU, BR, CA, CN, HK, ID, JP, KR, MX, MY, PH, SG, TH, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: A method for achieving optimal channel coding in a communication system

Country of registration: US Application no.: US 08/544491 US-5757813 Patent no.: Countries applicable: US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Ericsson Company name: Project: **UMTS**

Title: Page response on existing radio signalling channel

Country of registration: US

WO 00/33599 Application no.: US-6285667 Patent no.:

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 UMTS

Title: An enhanced channel allocation process

Country of registration:

Application no.: WO 97/15163
Countries applicable: BR, CA, MX, US
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: Ericsson Project: UMTS

Title: Time alignment of transmission in a down-link of a CDMA system

Country of registration: US

Application no.: WO 94/30024
Patent no.: US-5828659

Countries applicable: AU, BR, CA, CN, DE, ES, FI, FR, GB, HK, IT, JP, KR, MX, NL, SE, SG, TH, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Authentication key entry in cellular radio system

Country of registration: US

 Application no.:
 WO 94/19875

 Patent no.:
 US-5551073

Countries applicable: AU, CA, CN, KR, MX, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}$.

Company name: Ericsson UMTS

Title: Communication control technique for a radiotelephone system

Country of registration: US

Application no.: WO 94/07322
Patent no.: US-5353332

Countries applicable: AR, AU, CA, CN, GB, HK, ID, KR, MX, MY, NZ, SE, SG, TH, TW, US, VE

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Method for a mobile tele system when assigning a traffic channel

Country of registration: EPO
Application no.: WO 93/21741
Patent no : EP 508963

Patent no.: EP-598863
Countries applicable: AU, BE, CH, D

Countries applicable: AU, BE, CH, DE, DK, ES, FI, FR, GB, GR, HK, IT, NL, NZ, SE, TW **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: UMTS

Title: Priority methods and devices for handling buffers in packet networks

Country of registration: US

Application no.: WO 93/19551
Patent no.: US-5555264
Countries applicable: AU, JP, SE, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Resynchronization of encryption systems upon Hand-off

Country of registration:

Application no.: WO 92/02088 Patent no.: US-5081679

Countries applicable: AU, CA, CN, GB, HK, JP, KR, MX, MY, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Transmission power control of a mobile station

Country of registration: US

Application no.: WO 01/43296

AR, DE, FI, FR, GB, IT, MY, SE, TW, US 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: **UMTS**

Title: Method and apparatus for fast base station synchronization and sector identification

Country of registration: US

Application no.: WO 99/66754

Countries applicable:

Notes:

BR, CN, DE, FI, FR, GB, HK, IT, JP, SE, US The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Method and Apparatus for Concatenated Coding of Mobile Radio Signals

Country of registration: SF Application no.: 678,314 Patent no.: US-5742619

Countries applicable: US

Company name: Fricsson Project: **UMTS**

Title: Code randomisation in random access

Country of registration: US

Application no.: WO 00/14989

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS Project:

Title: Data transmission over a communications link with variable transmission rates

Country of registration:

WO 99/59278 Application no.: Patent no.: US-6307867

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Downlink power control in a cellular mobile radio communications system

Country of registration:

Application no.: WO 99/52226 Patent no.: US-6144861

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Quadriphase spreading codes in code division multiple access communications

Country of registration: US

Application no.: WO 99/66645 Patent no.: US-6393047

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Method of increasing the number of call options in a mobile telephone system

Country of registration: US

Application no.: US 852790 US-4669107 Patent no.: Countries applicable: AU, GB, SE, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: Power control in a CDMA mobile communications system

Country of registration:

Application no.: WO 00/49728

AR, AU, BR, CA, CN, DE, FR, GB, IN, IT, JP, KR, MY, TW, US

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: UMTS

Title: System and method for positioning a mobile station in a CDMA cellular system

Country of registration: US

Application no.: WO 99/21388 Patent no.: US-6157842

Countries applicable:

AR, AU, CA, CN, DE, GB, IN, IT, KR, MY, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Means in conjunction with updating one or more hlr databases included in a mobile telephone system Title:

Country of registration:

Application no.: WO 93/25051 US-5490201 Patent no.:

Notes:

Countries applicable: AU, BR, CA, CN, DE, DK, ES, FI, FR, GB, HK, IL, IT, JP, KR, MX, NL, NZ, SE, SG, TH, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: Telecommunication network structure

Country of registration:

Application no.: WO 92/12603 Patent no.: US-5333178

Countries applicable: AU, BE, BR, CA, CH, DE, DK, ES, FI, FR, GB, GR, IL, IT, JP, KR, MX, NL, NO, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 **UMTS** Project:

Title: Regular pulse positioning algorithm

Country of registration: US

Application no.: WO 90/13891 Patent no.: US-5193140

Countries applicable: AU, BR, CA, CL, CN, DE, DK, ES, FI, FR, GB, HK, IL, IT, JP, KR, KW, MX, MY, NL, NZ, PH, PK, SE, SG,

TH, TR, TW, US, VE
The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Cellular digital mobile radio system with plural base station transmitters, and method of transmitting

> information in such a system **EPO**

Country of registration:

Application no.: WO 89/08355 Patent no.: EP-335846

AU, DE, DK, ES, FI, FR, GB, IT, JP, NL, NZ, SE 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: **UMTS**

Title: Re-orthogonalization of wideband CDMA signals

Country of registration: US

Application no.: WO 97/22185 Patent no.: US-5862173

AU, BR, CA, CN, DE, FR, GB, JP, KR, SE, SG, US 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 **UMTS** Project:

A method for paging mobile stations Title:

Country of registration: US Application no.: WO 97/15167 Patent no.: US-6091960

Countries applicable: BR, CA, CN, DE, GB, HK, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Company name: Ericsson UMTS

Title: Improvements in downlink observed time difference measurements

Country of registration: US

Application no.: WO 00/08886 Patent no.: US-6356763

Patent no.: US-6356763

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: System and method for mobile data services background of the present invention

Country of registration: US

 Application no.:
 WO 99/40741

 Patent no.:
 US-6208633

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson
Project: UMTS

Title: Method and Apparatus for Enhancing Signalling Reliability in a Cellular Mobile Radio Telephone System

Country of registration: SE
Application no.: 604,522
Patent no.: US-5230082
Countries applicable: AU, MX, NZ, TW, US

Company name: Ericsson Project: 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: GB, SG, US

Company name: Ericsson
Project: UMTS

Title: CDMA Subtractive Demodulation

Country of registration: SE
Application no.: 739, 446
Patent no.: US-5218619

Countries applicable: AT, AU, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MX, MY, NL, SE, TW, US

Company name: Ericsson UMTS

Title: Method of Transmitting Signalling Messages in a Mobile Radio Communication System

Country of registration:SEApplication no.:899,166Patent no.:US-5182753Countries applicable:US

Company name: Ericsson
Project: UMTS

Title: Cell searching in a CDMA communications system

Country of registration: US

Application no.: WO 99/12295 **Patent no.:** US-6185244

Countries applicable: AR, AU, BR, CA, CN, DE, FR, GB, IN, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Title: **CDMA Subtractive Demodulation**

Country of registration: SF Application no.: 628,359 Patent no.: US-5151919

Countries applicable: AT, AU, BE, DE, DK, ES, FR, GB, GR, IT, LU, MX, MY, NL, RU, SE, TW, US

Company name: Project: **UMTS**

Handover Method for Mobile Radio System Title:

Country of registration: Application no.: 365,432 Patent no: US-5109528

Countries applicable: DE, ES, FR, GB, HK, IT, NL, NO, SE, SG, US

Company name: Ericsson Project: **UMTS**

Title: Cellular Digital Mobile Radio System and Method of Transmitting information in a Digital Cellular Mobile

Radio System

Country of registration: SE Application no.: 579,283 Patent no.: US-5088108 Countries applicable: US

Company name: Fricsson Project: **UMTS**

Time-Reuse and Code-Reuse partitioning and Methods for Cellular Radiotelephone Systems Title:

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 Countries applicable: AU, NZ, TW

Company name: Fricsson Project: **UMTS**

Title: Low-delay rate detection for variable rate communication systems

Country of registration: US

Application no.: WO 99/03225 Patent no.: US-6222875

Countries applicable:

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SG, TH, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Base station power synchronization at soft handover

Country of registration: LIS

Application no.: WO 99/31819

Countries applicable:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS**

Telecommunications inter-exchange congestion control

Country of registration: US

Application no.: WO 99/45735 Patent no.: US-6233222

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Communication system and method with orthogonal block encoding

Country of registration:

Application no.: WO 99/05797 Patent no.: US-6215762

Countries applicable: AU, CA, CN, DE, ES, FI, FR, GB, IN, IT, JP, KR, MX, MY, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson **UMTS** Project:

Title: Adaptive channel type selector

Country of registration: US

Application no.: WO 99/66748 Patent no.: US-6347091

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SE, SG, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Channelization code allocation for radio communication system

Country of registration: US

WO 99/03224 Application no.: US-6108369 Patent no.:

Countries applicable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, PH, RU, SG, TH, TW, US, ZA The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS Project:

Title: Multicell area paging for cellular telecommunications system

Country of registration:

Application no.: WO 99/57935 Patent no.: US-6292667

Countries applicable:

Notes:

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, TW, US, ZA The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson Project: **UMTS**

Title: Modified downlink power control during macrodiversity

Country of registration: US

Application no.: WO 98/56200 Patent no.: US-6085108

AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TH, TW, US, ZA 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: Ericsson Project: **UMTS**

Title: Multistage diversity handling for CDMA mobile telecommunications

Country of registration: US

Application no.: WO 99/27740 Patent no.:

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Increasing performance in communications by embedding one signal in another signal

Country of registration:

Application no.: WO 99/65171 Patent no.: US-6285663

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SE, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance 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 **UMTS** Project:

Title: Aal2/ip interworking

Country of registration: US

Application no.: WO 01/91399 AR, EPO, PCT, TW, US 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 **UMTS** Project:

Title: Code allocation for radiocommunication systems

Country of registration: US

Application no.: WO 99/60809

Countries applicable:

Notes:

AR, AU, CA, CN, DE, GB, IT, JP, KR, TW, US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Reducing sparseness in coded speech signals

Country of registration: US

Application no.: WO 99/12156 Patent no.: US-6029125

AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SG, TW, US 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: **UMTS**

Methods and systems for mode selection based on access network capacity Title:

Country of registration: US

Application no.: WO 99/60796 Countries applicable: CA. DE. GB. JP. US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Bearer independence signalling protocol Title:

Country of registration: US

WO 99/55095

Application no.:

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, RU, SE, SG, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Method and system for soft handoff control based on access network capacity

Country of registration:

Application no.: WO 99/60797 Patent no.: US-6381458

Countries applicable:

AR, AU, CA, CN, DE, GB, IT, JP, KR, TW, US Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Fricsson **UMTS** Project:

Title: Mobile telecommunications network and method for implementing and identifying hierarchical overlapping

radio coverage areas

Country of registration: US

US 09/189330 Application no.: Patent no.: US-6275706

Countries applicable: US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Accommodating packet data loss at base stations interfacing between a packet switched network and a Title:

CDMA macrodiversity network

Country of registration: US

Application no.: WO 99/46946 Patent no.: US-6341124

Countries applicable: AR, AU, CA, CN, DE, GB, IT, JP, KR, SE, TW, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Method for Regulating Power in a Digital Mobile Telephony System Title:

Country of registration: SE Application no.: 712,930 Patent no.: US-5241690

Countries applicable: AT, AU, BE, BR, CH, CN, DE, DK, ES, FR, GB, GR, HK, IT, KR, LU, MX, MY, NL, NZ, SE, SG, TW, US

Company name: Ericsson Project: **UMTS**

Title: Random access in a mobile telecommunications system

Country of registration: US

Application no.: WO 99/60729 Patent no.: US-6381229

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project:

Title: Dynamic Control of Transmitting Power at a Transmitter and Attenuation at a Receiver

Country of registration: SF Application no.: 061,043 Patent no.: US-5669066

Countries applicable: AU, MX, PK, TR, TW, US, ZA

Company name: Ericsson UMTS Project:

Title: Discontinuous CDMA Reception

Country of registration: Application no.: 866, 555 Patent no : US-5239557 Countries applicable: AU, MX, NZ, TW, US Company name: Ericsson UMTS

Title: Direct Sequence CDMA Coherent Uplink Detector

Country of registration:SEApplication no.:235,527Patent no.:US-5544156Countries applicable:NZ, SG, US

Company name: Ericsson Project: UMTS

Title: Multiple Access Coding Using Bent Sequences for Mobile Radio Communications

Country of registration:SEApplication no.:291,693Patent no.:US-5550809Countries applicable:US

Company name: Ericsson

Project: UMTS

Title: Transceiver Algorithms of Antenna Arrays

Country of registration:SEApplication no.:195,224Patent no.:US-5566209Countries applicable:US

Company name: Ericsson UMTS

Title: Method and System for Demodulation of Downlink CDMA Signals

Country of registration: SE
Application no.: 187,062
Patent no.: US-5572552
Countries applicable: US

Company name: Ericsson Project: UMTS

Title: Navigation Assistance For Call Handling in Mobile Telephone Systems

Country of registration: SE
Application no.: 118,179
Patent no.: US-5404376
Countries applicable: AU, MX, NZ, TW, US

Company name: Ericsson Project: UMTS

Title: System and Method for Setting of Output Power Parameters in a Cellular Mobile Telecommunications

Country of registration: SE
Application no.: 411,426
Patent no.: US-5634195

Countries applicable: US

Company name: Ericsson Project: UMTS

Title: Method of Effecting Handover in a Mobile Multilayer cellular Radio System

Country of registration: SE
Application no.: 901,075
Patent no.: US-5392453

 $\hbox{\bf Countries applicable:} \qquad \hbox{\rm AU, DE, FR, GB, IT, MY, NL, SE, TW, US}$

Company name: Ericsson Project: UMTS

Title: Navigation Assistance for Call Handling in Mobile Telephone Systems

Country of registration: SE
Application no.: 384,334
Patent no.: US-5670964
Countries applicable: US

Company name: Ericsson UMTS

Title: Method and Apparatus for Spread Spectrum Channel Estimation

Country of registration: SE
Application no.: 504,339
Patent no.: US-5677930

Countries applicable: US

Title: Mobile station synchronization within a spread spectrum communications system

Country of registration: US

 Application no.:
 WO 99/00912

 Patent no.:
 US-5991330

Patent no.: US-5991330

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson UMTS

Title: Mobile Assisted Handoff

Country of registration: SE
Application no.: 354,779
Patent no.: US-5701585
Countries applicable: US

Company name: Ericsson UMTS

Title: Next hop loopback method

Country of registration: US

 Application no.:
 WO 98/59521

 Patent no.:
 US-6154448

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, MY, RU, SE, SG, TW, US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: UMTS

Title: Bandwidth Allocation

Country of registration: SE
Application no.: 544,490
Patent no.: US-5729531
Countries applicable: US

Company name: Ericsson Project: 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: Duplex Power Control System in a Communications Network

Country of registration: SE
Application no.: 866,554
Patent no.: US-5345598
Countries applicable: AU, NZ, TW, 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: 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: 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: AT, AU, DE, DK, ES, FR, GB, HK, IT, MX, NL, SE, TW, US

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: GB, MX, TW, US

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, TW, US

Company name: Ericsson UMTS

Title: CDMA Frequency Allocation

Country of registration: SE
Application no.: 162,948
Patent no.: US-5341397
Countries applicable: US

Company name: Ericsson Project: UMTS

Title: Load Sharing control for a Mobile cellular radio system

Country of registration: SE
Application no.: 669,865
Patent no.: US-5241685

Countries applicable: DE, ES, FR, GB, IT, SE, US

Company name: Ericsson UMTS

Title: Adaptively Self-Correcting Modulation System and Method Country of registration: SE

Country of registration: SE
Application no.: 068,087
Patent no.: US-5351016

Countries applicable: AU, GB, IT, MX, NZ, US

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: Fast Walsh Transform Processor

Country of registration: SE
Application no.: 735,805
Patent no.: US-5357454
Countries applicable: FR, GB, SG, TW, US

Company name: Ericsson UMTS

Title: Segment performance monitoring

Country of registration: US

Application no.: WO 98/59522 **Patent no.:** US-6049530

Countries applicable: AU, BR, CA, CN, DE, FI, FR, GB, IT, JP, KR, MX, RU, SE, SG, US

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may 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.

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Title: Transmit power control in a radio communication system

Country of registration:

WO 98/56120 Application no.: Patent no.: US-6259927

Countries applicable: AR, AU, BR, CA, CN, DE, FI, FR, GB, IN, IT, JP, KR, MX, MY, RU, SG, TH, TW, US, ZA

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Ericsson Project: **UMTS**

Title: Calling Channel in CDMA Communications System

Country of registration: SE Application no.: 226,470 Patent no.: US-5377183 Countries applicable: AU, MX, NZ, TW, US

Company name: Ericsson Project: **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: EVOLIUM S.A.S.

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 10-2002-8970 Countries applicable: KR

ETSI Deliverable: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN Application no.: 02105110.0 Countries applicable: CN ETSI Deliverable: TS 25 433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

UMTS Project:

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

Country of registration:

Application no.: 1223783; W0 02/056629

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

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.

EVOLIUM S.A.S. Company name:

Project: **UMTS**

PROCEDE POUR L'ETABLISSEMENT D'UNE LISTE DE CELLULES VOISINES DANS UN SYSTEME Title:

DE RADIOCOMMUNICATIONS MOBILES

Country of registration: PCT

Application no.: 1246499: PCT/FR02/00997

AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR 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

EVOLIUM S.A.S. Company name:

Project: UMTS

Title: PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE

RADIOCOMMUNICATIONS MOBILES

EPO Country of registration:

Application no.: 1235458

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: JP

Application no.: 2002-33441 Countries applicable: JΡ **ETSI Deliverable:** TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: FR

Application no.: 2821515 Countries applicable: FR **ETSI Deliverable:** TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: US Application no.: 10/074000 Countries applicable: US ETSI Deliverable: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: Application no.: 1235459

Countries applicable: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, MK, NL, PT, SE, TR

ETSI Deliverable: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: EVOLIUM S.A.S.

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: CN Application no.: 02105111.9 Countries applicable: CN **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

EVOLIUM S.A.S. Company name:

Project: UMTS

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

JΡ Country of registration:

Application no.: 2002-33442 Countries applicable: JP ETSI Deliverable: TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: KR

Application no.: 10-2002-8973 Countries applicable: KR **ETSI Deliverable:** TS 25.433

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

EVOLIUM S.A.S. Company name:

Project: **UMTS**

PROCEDE DE GESTION DE RESSOURCES DE TRAITEMENT DANS UN SYSTEME DE Title:

RADIOCOMMUNICATIONS MOBILES

Country of registration: US

Application no.: 10/073950 Countries applicable: US **ETSI Deliverable:** TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **EVOLIUM S.A.S.**

Project: **UMTS**

PROCEDE POUR L'ETABLISSEMENT D'UNE LISTE DE CELLULES VOISINES DANS UN SYSTEME Title:

DE RADIOCOMMUNICATIONS MOBILES

Country of registration: FR Application no.: 2823053 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.

France Telecom Company name: **UMTS**

Project:

Country of registration:

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:

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 Non-discriminatory basis, in accordance with the terms and conditions set forth in Clause 6.1 of the ETSI

IPR Policy.

Golden Bridge Technology (GBT) Company name:

Project: **UMTS**

Title: **UTRA RTT Proposal** 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:

Country of registration: Application no.: Patent no.: **ETSI Deliverable:**

Notes:

Hitachi, Ltd. Is ready to license its own Intellectual Property Right(s), which is deemed to be necessary to implement the standard IMT 2000 (or UMTS, W-CDMA) relating to the third generation public mobile telephone systems, on fair, reasonable, Non-exclusive and Non-discrimenatory terms and conditions to a party, who accepts an equivalent undertaking with regard to this standard.

Italtel Spa Company name: Project: UMTS TD-CDMA Title:

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: Lucent Technologies Inc. **UMTS**

Project:

Country of registration:

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: PCT

PCT/JP97/03224 Application no.: PCT

Countries applicable:

ETSI Deliverable:

tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97

tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97

Mitsubishi Electric declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) Notes:

under the essential IPRs on fair, reasonable and Non-discriminatory basis in accordance with Clause 6.1

of the ETSI IPR Policy.

Company name: Mitsubishi Electric Corporation

Project: UMTS

Title: Method and Apparatus for Variable Rate Transmitter

Country of registration: JΡ Application no.: JP9-16402

Countries applicable: JP

ETSI Deliverable:

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 Application no.: JP10-080031 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: Mitsubishi Electric Corporation

JΡ

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: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM

Country of registration: KR

Application no.: 10-1997-708134 Patent no.: 10-288855 KR

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM ES

Country of registration:

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: ES

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Motorola Company name: Project: UMTS

Title: Radio arrangement having two radios sharing circuitry

Country of registration: US Application no.: Patent no.:

6,006,104 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Packet-switched cellular phone system

Country of registration: US Application no.: 4.887.265 Patent no.: Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Trunked communication system with nation-wide roaming capability Title:

Country of registration: US Application no.:

4,833,701 Patent no.: Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: Motorola Project: UMTS

US

Title: Method and apparatus for suppressing noise in a communication system

Country of registration:

Application no.: Patent no.: 5,659,622 Countries applicable: US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Title: Handoff apparatus and method with interference reduction for a radio system

Country of registration: Application no.:

Patent no.: 4,696,027 Countries applicable: US **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Radio arrangement having two radios sharing circuitry Title:

Country of registration: US Application no.: Patent no.: 5,029,233

Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: **UMTS**

Method and apparatus for transmitting information for multiple independent users in a communication svstem

Country of registration: US 5,627,830

Application no.: Patent 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: Motorola Project: **UMTS**

Title: Two way personal message system with extended coverage

Country of registration: US Application no.:

Patent no.: 4,644,351 Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola **UMTS** Project:

Dual Mode Radio Receiver with Scanning Capability Title:

Country of registration: US Application no.: 4,872,204 Patent no.: Countries applicable: US **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Company name: Motorola Project: UMTS

Title: Method and apparatus for data transmission within a broadband communications system

Country of registration:

Application no.: Patent no.: 5,964,356
Countries applicable: US

US

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola Project: UMTS

Title: Digital speech coder having improved sub-sample resolution long-term predictor

Country of registration:
Application no.:

Patent no.: 5,359,696
Countries applicable: US
ETSI Deliverable: -

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Motorola
Project: UMTS

Title: Method and apparatus for providing high data rate traffic channels in a spread spectrum communication

system US

Country of registration:

Application no.: Patent no.:

-5,204,876 US

Countries applicable: ETSI Deliverable:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: KR
Application no.: 93-702329
Patent no.: 127995
Countries applicable: KR

Countries applicable: KR Notes: Beir

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: BR
Application no.: 9205605-9
Patent no.: 9205605-9

Countries applicable: BF

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ZA
Application no.: 92-0950
Patent no.: 92/0950
Countries applicable: ZA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: CN

Application no.: 92101024.9 Patent no.: 92101024.9 CN

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: KR Application no.: 92-702841 Patent no.: 99714 Countries applicable: KR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: FR

Application no.: 92907804 6 EP0529051 Patent no.: FR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: 92907804.6 Application no.: EP0529051 Patent no.:

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: UMTS

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: DE

Application no.: 92907804.6 Patent no.: 69230710.9

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: UMTS

METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A Title:

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: IT

92907804.6 Application no.: Patent no.: EP0529051 Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: UA
Application no.: 93004000
Patent no.: 40009

Countries applicable: UA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: RU 93054764.00 Patent no.: 2145466

Countries applicable: RU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM

Country of registration: JP Application no.: 9-532578

Countries applicable: JP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: FI
Application no.: 933673
Countries applicable: FI

Countries applicable: FI Notes: Being

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: GR
Application no.: 920100062
Patent no.: 1001801
Countries applicable: GR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: MX
Application no.: 9401801
Patent no.: 185865
Countries applicable: MX

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: MX Application no.: 9402259 Countries applicable: MX

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: CN

Application no.: 94190121.1 Patent no.: 94190121.1 Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: FΙ Application no.: 945336 Countries applicable: FΙ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project:

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: FR

Application no.: 94913263.3 Patent no.: EP0643889

Notes:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration:

Application no.: 94913263.3 EP0643889 Patent no.: GB

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: DE

Application no.: 94913263.3 69430720.3 Patent no.: Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

UMTS Project:

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: IΤ

Application no.: 94913263.3 Patent no.: EP0643889 Countries applicable: IT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: AT

Application no.: 91905041 9 Patent no.: E191.987 Countries applicable: ΑT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: UMTS

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GB Application no.: 9315243.7 Patent no.: 2269300 Countries applicable: GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: FΙ Application no.: 86 1015 Patent no.: 79768 FΙ

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: **UMTS**

Title: Country of registration: HK

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Application no.: 98102904.4 Patent no.: HK1003856

Countries applicable: ΗK

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9 Patent no.: EP0450064 DK

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: FR Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: GB Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: DE

Application no.: 91905041.9 Patent no.: 69033510.5 Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: IT

Application no.: 91905041.9 Patent no.: EP0450064

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: L

 Application no.:
 91905041.9

 Patent no.:
 EP0450064

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration:

Application no.: 91905041.9
Patent no.: EP0450064
Countries applicable: NL

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: FR
Application no.: 86903767.1
Patent no.: EP0226613

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: FR
Application no.: 9202058
Patent no.: FR9202058

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: NO 860947
Patent no.: 169810
Countries applicable: NO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: TR
Application no.: 92-0178
Patent no.: 25708
Countries applicable: TR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CH

Application no.: 85903622.0 Patent no.: EP00188554 CH

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration:

Application no.: 85903622.0 EP00188554 Patent no.: SE

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: NL

Application no.: 85903622.0 Patent no.: EP00188554 Countries applicable: NI

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: FS 91905041.9 Application no.: Patent no.: EP0450064

Countries applicable: ES

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: IT

Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: IT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: DE

Application no.: 85903622.0 Patent no.: EP0188554 DE

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration:

Application no.: 85903622.0 Patent no.: EP00188554 GB

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration:

Application no.: 91905041.9 EP0450064 Patent no.: Countries applicable: SE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: CH

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: CH

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: MX Application no.: 9200735 Patent no.: 179935 Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: SG Application no.: 9602270-2 Patent no.: 9602270-2

Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: KR Application no.: 86-700145 59947 Patent no.: Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: Application no.: 85903622.0 Patent no.: EP00188554

Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: Application no.: 97105365.7 EP0807989 Patent no.:

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: RU Application no.: 97108171 Patent no.: 2141168 Countries applicable: RU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: CN Application no.: 97111190.1

CN Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: RU Application no.: 97113483 Patent no.: 2169992 Countries applicable: RU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: GB Application no.: 9713727.7 2313266 Patent no.: Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: Application no.: 971840 Patent no.: 101671 FΙ

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM Country of registration: CN Application no.: 97190206.2

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: KR Application no.: 97-19503 Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA Project: LIMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: FΙ Application no.: 972852

Countries applicable: FI Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

MOTOROLA Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM Country of registration: **EPO** Application no.: 97903749.6

Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: JΡ Application no.: 9-518820 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: F

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: F

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: GB
Application no.: 97105365.7
Patent no.: EP0807989

Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: BE

 Application no.:
 85903622.0

 Patent no.:
 EP00188554

Countries applicable: BE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: CH
Application no.: 85902748.4
Patent no.: EP0179898

Countries applicable: CH

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: SE
Application no.: 85902748.4
Patent no.: EP00179898

Countries applicable: SE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: NL Application no. 859

Application no.: 85902748.4
Patent no.: EP0179898
Countries applicable: NL

Countries applicable: NI
Notes: Be

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: LU

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration:

Application no.: 85902748.4 EP00179898 Patent no.:

Countries applicable: IT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: HK Application no.: 85902748.4 Patent no.: 506/1990 HK

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: **UMTS**

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: DF 85902748.4 Application no.: Patent no.: P3576035.4

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: GB Application no.: 85902748.4 Patent no.: EP0179898 Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: BR Application no.: 9807369-9 Countries applicable: BR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: AR

Application no.: 98-01-03767 Countries applicable: AR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: SE Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: SE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: SG Application no.: 9602783-4 Patent no.: 9602783-4

Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: GB Application no.: 9610428.6 Patent no.: 2313261

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name: Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: RF

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable: RF

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GB Application no.: 96110155.7 Patent no.: EP0746172 GB

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: DF 96110155.7 Application no.: Patent no.: 68929365.8 Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: GR Application no.: 96110155.7 Patent no.: EP0746172 Countries applicable: GR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration:

Application no.: 96110155.7 Patent no.: EP0746172

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Company name: **MOTOROLA**

Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration:

Application no.: 97105365.7 Patent no.: EP0807989 IT

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: Application no.: 96110155.7 EP0746172 Patent no.:

Countries applicable: ES

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: GE Application no.: 002141 Patent no.: 1767 Countries applicable: GE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: CH 96110155.7 Application no.: Patent no.: EP0746172

Countries applicable: СН

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: FR Application no.: 9612357 Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: CN

Application no.: 96191426.2 ZL9619426.2 Patent no.:

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: SF Application no.: 9701659-6 Countries applicable: SE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROI A **UMTS**

Project:

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM Country of registration: BR Application no.: 9702114 **BR**

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: BR Application no.: 9703357 Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration:

97102167.7 Application no.: Patent no.: HK1000621

Countries applicable: HK

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: **MOTOROLA UMTS**

Project:

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title: HK

Country of registration:

Application no.: 97102296.1 Patent no.: HK1000758 ΗK

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: FΙ

Application no.: 97105365.7 Patent no.: EP0807989

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: IL
Application no.: 101044
Patent no.: 669127
Countries applicable: IL

Countries applicable: IL
Notes: Being

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: JP
Application no.: 9-141040
Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: NL
Application no.: 96110155.7
Patent no.: EP0746172
Countries applicable: NL

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: FR
Application no.: 90115487.2
Patent no.: EP0415163
Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: US
Application no.: 894387
Patent no.: 4654867
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: KR
Application no.: 89-701035
Patent no.: 112435
Countries applicable: KR
Notes: Being awai

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: KR Application no.: 89-701765 Patent no.: 62183

Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

Application no.: 89901513.5 EP0398911 Patent no.: AT

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: FR Application no.: 89901513.5 Patent no.: EP0398911 FR

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: GB Application no.: 89901513.5 Patent no.: EP0398911 GB

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: DE Application no.: 89901513.5 Patent no.: P3855136.5

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: LU Application no.: 89901513.5 Patent no.: EP0398911 Countries applicable: LU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration:

NL Application no.: 89901513.5 Patent no.: EP0398911

Countries applicable: NI Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

Application no.: 89901513.5 EP0398911 Patent no.: Countries applicable: CH

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: GB Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: GB

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: BF 90115487.2 Application no.: Patent no.: EP0415163 Countries applicable: RF

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: FΙ Application no.: 891276 Patent no.: 100078 Countries applicable: FΙ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: GB 90115487.2 Application no.: Patent no.: EP0415163

Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration:

Application no.: 90115487.2 Patent no.: P69020070.6

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: Application no.: Patent no.:

90115487.2 EP0415163

Countries applicable:

IT Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: NL Application no.: 90115487.2 Patent no.: EP0415163

Countries applicable: NI Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: CH 90115487.2 Application no.: Patent no.: EP0415163 Countries applicable: СН

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration: MX 9100231 Application no.: Patent no.: 174912 Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: AT Application no.: 91102175.6 Patent no.: E159.138 Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: Application no.: 91102175.6 EP0444485 Patent no.:

Countries applicable: DK

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: BF

Application no.: 91905041.9 Patent no.: EP0450064 Countries applicable: RF

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: CN 90107394.6 Application no.: Patent no.: 27021 Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: AT

AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: SE

Application no.: 89101118.1 Patent no.: EP0332818 SE

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration:

СН Application no.: 89101118.1 Patent no.: EP0332818 CH

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title: AT

Country of registration:

Application no.: 89113864.6 EP0352786 Patent no.:

Countries applicable: AT Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FPO Application no.: 89113864.6 Patent no.: EP0352786 EPO

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FR 89113864.6 Application no.: Patent no.: EP0352786 FR

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GB Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: GB Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: DE Application no.: 89113864.6 Patent no.: P68912672.7

Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: GR Application no.: 89113864.6

Patent no.: 3030676 Countries applicable: GR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

Application no.: 89113864.6 EP0352786 Patent no.:

Countries applicable: IT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: NL

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: NI

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE REDUCTION FOR A RADIO SYSTEM Title:

Country of registration: US Application no.: 893116 Patent no.: 4696027 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: SE Application no.: 89113864.6 Patent no.: EP0352786

Countries applicable: SE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: NO Application no.: 892094 Patent no.: 179310 Countries applicable: NO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: NL

Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: NI

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: **EPO** Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: FR

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: GB 89113864.6 Application no.: Patent no.: EP0352786

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: Application no.:

DE 89113864.6 P68912672.7

Patent no.: Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: GR Application no.: 89113864.6 Patent no.: 3030676 Countries applicable: GR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: 89113864.6 Patent no.: EP0352786 IT

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration:

Application no.: 89113864.6 EP0352786 Patent no.: Countries applicable: NL

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: ES

Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: ES

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: SF 89113864.6 Application no.: Patent no.: EP0352786

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: DE Application no.: 91102175.6 Patent no.: P69127839.3

Countries applicable: DE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: ES Application no.: 89113864.6 Patent no.: EP0352786 Countries applicable: ES

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: KR Application no.: 87-700178 Patent no.: 81696

Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: BF Application no.: 88115574.1 Patent no.: EP0310876 RF

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: AT Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: ΑT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: CH Application no.: 87902067.5 Patent no.: EP0269643

Countries applicable: СН

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA. Country of registration: SF

87902067.5 Application no.: Patent no.:

EP0269643 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

NL Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: NL

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 Patent no.: EP0269643 Countries applicable: IT

IΤ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: DF Application no.: 87902067.5 P3787788.7 Patent no.: DE

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** UMTS Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: GB Application no.: 87902067.5 Patent no.: EP0269643 Countries applicable: GB Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project:

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD, TRANS, OR COMM.SYS,& A REMOTE STA. Country of registration: FR

Application no.: 87902067.5 EP0269643 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: **UMTS** Project:

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: FR Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: AT

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: AT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

UMTS Project:

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: GR Application no.: 88115574.1 Patent no.: EP0310876 Countries applicable: GR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: **UMTS**

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CH Application no.: 87110260.4 EP0255628 Patent no.:

Countries applicable: CH

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: NI Application no.: 87110260.4 Patent no.: EP0255628

Countries applicable: NI

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: **UMTS**

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: IT

Application no.: 87110260.4 Patent no.: EP0255628

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: DF

Application no.: 87110260.4 P3752127.6 Patent no.: DE

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration:

Application no.: 87110260.4 Patent no.: EP0255628 GB

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

HANDOFF APPARATUS AND METHOD WITH INTERFERENCE Title:

Country of registration: Application no.: 87110260.4 EP0255628 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: FΙ Application no.: 870642 Patent no.: 92118

Countries applicable: FΙ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: DF 86903767.1 Application no.: Patent no.: P03689035.9

Countries applicable: DF

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: GB Application no.: 86903767.1 EP0226613 Patent no.: Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: CH Application no.: 91102175.6 Patent no.: EP0444485 Countries applicable: CH

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration:

Application no.: 87902067.5 EP0269643 Patent no.: Countries applicable: BE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: BF Application no.: 89101118.1 Patent no.: EP0332818 ΒE

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: GR

Application no.: 91102175.6 EP0444485 Patent no.: GR

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 IT

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: IUApplication no.: 91102175.6

Patent no.: EP0444485 LU Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: NL Application no.: 91102175.6 Patent no.: EP0444485

Countries applicable: NL

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration:

Application no.: 91102175.6 Patent no.: EP0444485 ES

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: Application no.: 91102175.6 EP0444485 Patent no.:

Countries applicable: SE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: IT

Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: IΤ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GR 89101118.1 Application no.: Patent no.: EP0332818 GR

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: DE Application no.: 89101118.1 Patent no.: P68927575.7

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: GB Application no.: 89101118.1 Patent no.: EP0332818 Countries applicable: GB

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: GI

 Application no.:
 88115574.1

 Patent no.:
 EP0310876

Countries applicable: GB

Notes: Be

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: EPO
Application no.: 89101118.1
Patent no.: EP0332818
Countries applicable: EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: DE 88115574.1
Patent no.: P3882869.3

Countries applicable: DE

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: AT
Application no.: 89101118.1
Patent no.: EP0332818

Countries applicable: AT

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: TRUNKED COMMUNICATION SYSTEM WITHNATIONWIDE ROAMING CAPABILITY

Country of registration: CN
Application no.: 89100461.0
Patent no.: 11559
Countries applicable: CN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: IN
Application no.: 89/DEL/92
Patent no.: 185240
Countries applicable: IN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: Application no.: 892678 Patent no.: 108099 FΙ

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: Application no.: 88115574.1 EP0310876 Patent no.:

Countries applicable: CH Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: SF Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: SF

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: FS 88115574.1 Application no.: Patent no.: EP0310876

Countries applicable: ES

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: NL Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: NL Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: LU

Application no.: 88115574.1 Patent no.: EP0310876 LU

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration:

Application no.: 88115574.1 Patent no.: EP0310876

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

VERFAHREN UND VORRICHTUNG ZUR GEWICHTUNG EINES UEBERTRAGUNGSWEGES Title:

Country of registration:

Application no.: 97105365.7 69705356.3 Patent no.: Countries applicable: DE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM Title:

Country of registration: FR Application no.: 89101118.1 Patent no.: EP0332818

Countries applicable: FR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title: IN

Country of registration:

1199/DEL/1997 Application no.:

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: CA Application no.: 2202829 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: HK Application no.: 98104250.0 Patent no.: HK1005112

Countries applicable: HK

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: MX Application no.: 16790 Patent no.: 166679 MX

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: Application no.: 97105365.7 EP0807989 Patent no.:

Countries applicable: FR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: JP Application no.: 1-501498 Patent no.: 2757515 .IP

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROL A Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: US Application no.: 149245 Patent no.: 4833701 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ΑU Application no.: 14565/92 Patent no.: 658402 Countries applicable: ΑU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: IL Application no.: 137059 Countries applicable: IL Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: IL
Application no.: 133862
Countries applicable: IL

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: IL 130615
Countries applicable: IL

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Project: UMTS
Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: AU
Application no.: 17828/97
Patent no.: 723992
Countries applicable: AU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR

Country of registration: IL
Application no.: 120574
Countries applicable: IL

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: DK
Application no.: 1852/89
Countries applicable: DK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: RADIOTELEPHONE SUBSCRIBER UNIT AND METHOD OF SYSTEM ACCESS FOR THE UNIT

Country of registration:
Application no.:
Patent no.:
Countries applicable:
JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: Application no.: 119226 Patent no.: 119226

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration:

Application no.: 1120/DEL/88 Patent no.: 175516 Countries applicable: IN

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS Title:

COMMUNICATION SYSTEM

Country of registration: IN

Application no.: 1089/DEL/97 IN

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: 1078/DEL/91 Application no.: Patent no.: 183937 Countries applicable: IN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: US Application no.: 107227 Patent no.: 5029233 US

Countries applicable: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: JΡ Application no.: 10-537628 Countries applicable: .IP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM

Country of registration: KR

Application no.: 10-2002-7000181

Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration:

Application no.:

KR 10-2001-7008819

Countries applicable:

KR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration:

Application no.: 10-2001-7001734

KR

Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

Project: LIMTS

Title: DUAL MODE RADIO RECEIVER WITH SCANNING CAPABILITY

Country of registration: US Application no.: 124210 Patent no.: 4872204

Countries applicable: US Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: JΡ

Application no.: 2000-594212

Countries applicable: JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: **UMTS**

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: MXApplication no.: 21980 Patent no.: 167644 Countries applicable: MX

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2134230 2134230 Patent no.: Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration:

2122/DEL/1996 Application no.:

IN

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: CA Application no.: 2100753 Patent no.: 2100753 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS Country of registration: CA Application no.: 2087433

Patent no.: 2087433 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: **UMTS**

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2077343-0 Patent no.:

2077343 Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: GE Application no.: 2061 Patent no.: 1765 Countries applicable: GE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: CA Application no.: 2037899-9 Patent no.: 2037899

Countries applicable: CA Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: Application no.: 2029/89 Patent no.: 62007 Countries applicable: ΙE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION Title:

Country of registration: CA Application no.: 2021508-9 Patent no.: 2021508 Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROL A

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: ΑIJ Application no.: 17584/97 Patent no.: 689403 Countries applicable: ΑU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

SYSTEM

Country of registration: JΡ

Application no.: 2001-510175

Countries applicable: Notes:

JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION Title:

SYSTEM

Country of registration: KR

Application no.: 10-2000-7012413

Countries applicable:

Notes:

KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: UMTS

METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN Title:

CDMA COMMUNICATION SYSTEMS

JΡ Country of registration:

Application no.: 2000-565617 JP

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS JΡ

Country of registration:

Application no.: 2000-563080

Countries applicable: JΡ

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: JP

Application no.: 2000-557556

Countries applicable: JΡ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: UMTS

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROAD-BAND COMMUNICATION

SYSTEM Country of registration: JΡ

Application no.: 2000-548965 JΡ

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: JΡ

Application no.: 2000-542864

Countries applicable: JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: **UMTS** Project:

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: JΡ

Application no.: 2000-529091

Countries applicable:

Notes:

JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: JP

Application no.: 2000-505701 JΡ

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A

UMTS Project:

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: RU Application no.: 2000104849

Countries applicable: RU

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS Title:

Country of registration: CA Application no.: 2,379,122 Countries applicable: CA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: DE Application no.: 19681070.1

DE

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

UMTS Project:

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: JΡ

Application no.:

2001-552658

Countries applicable:

JΡ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: **MOTOROLA**

Project: **UMTS** Title:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: US Application no.: 049248 5502752 Patent no.: Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: UMTS

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: US Application no.: 09/012927 Patent no.: 6246697 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM Country of registration: US Application no.: 08/971976 Patent no.: 5940430

Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/904204 6038263 Patent no.: Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR CONTROLLING TRANSMIT DIVERSITY IN A COMMUNICATION Title:

SYSTEM Country of registration: US Application no.: 08/904042 Patent no.: 6141542 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: UMTS

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: US Application no.: 08/855173 Patent no.: 5999826 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 08/806949 Patent no.: 6104993 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY IN A WIRELESS Title:

COMMUNICATION SYSTEM

Country of registration: US

Application no.: 08/657925 Patent no.: 5940445 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

UMTS Project:

Title: METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION

SYSTEM Country of registration: US Application no.: 08/616542 Patent no.: 5745520 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/556358 Patent no.: 5659622 Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name:

Project: UMTS

METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION Title:

SYSTEMS Country of registration: US Application no.: 08/295173 5572193 Patent no.: US

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: UMTS

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUICATIONS

Country of registration: KR

Application no.: 10-2001-7001230

Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 08/031258 Patent no.: 5329547 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: Application no.: 09/086149

Patent no.: 6141638 Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION Title:

Country of registration: Application no.: 040790 Patent no.: 5627830 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: GB Application no.: 0215267.6 Patent no.: 2373146

Countries applicable: GB

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: **EPO** Application no.: 01901736.7 EP1249138 Patent no.: Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: Motorola Project: **UMTS** W-CDMA Title:

Country of registration:

Motorola have stated that they have not yet finally determined whether or not their IPRs are in fact Notes:

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.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: Application no.:

CN 01803473.X

Countries applicable:

CN

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: ΤH Application no.: 015520 Countries applicable: TΗ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A

UMTS Project:

Title: METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A

COMMUNICATION SYSTEM

Country of registration: Application no.: 00975568.7 Countries applicable: **EPO**

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: EPO Application no.: 00951359.9 Patent no.: EP1198904

EPO Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: LIMTS

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM Country of registration: **EPO** Application no.: 00944789.7 Patent no.: EP1201053

Countries applicable: EPO

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: CN Application no.: 00810157.4 Countries applicable: CN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: US Application no.: 08/214998 Patent no.: 5359696 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: US Application no.: 09/479042 6282182 Patent no.: Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: US Application no.: 170960 Patent no.: 4887265 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7011192 KR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name: Project: **UMTS**

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration:

Application no.: 10-2000-7008055 Patent no.: 10-344600

Countries applicable: KR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7001036

Countries applicable: KR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: KR

Application no.: 10-1999-7007740 Patent no.: 10-333464

Countries applicable: KR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration:

Application no.: 10-1999-19337 Patent no.: 10-310811 KR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration:

Application no.: 10-1997-704788 286719

Patent no.: Countries applicable:

KR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: ILApplication no.: 100871 Patent no.: 100871

Countries applicable: Ш

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: DK Application no.: 0921/93 Patent no.: 173808 Countries applicable: DK

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM Title:

DEDICATED MODE

Country of registration: US Application no.: 09/599492 Patent no.: 6424637 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 09/057166 6058107 Patent no.: Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: TRANSMIT DIVERSITY TRANSMITTER AND RECIVER FOR RADIO COMMUNICATIONS SYSTEMS

Country of registration: US Application no.: 09/573526 US

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION

SYSTEM Country of registration: US Application no.: 09/074816 Patent no.: 5966384 US

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING ACOUSITC BACKGROUND NOISE IN A Title:

COMMUNICATION SYSTEM

Country of registration: US Application no.: 09/451074 6366880 Patent no.:

Countries applicable:

US Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: DEVICES FOR TRANSMITTER PATH WEIGHTS THEREFOR US

Country of registration: Application no.: 09/415168 Patent no.: 6192256

Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: **UMTS**

Title: METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS

SYSTEM

Country of registration: US Application no.: 09/348571 Patent no.: 6175559

Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

MOTOROLA Company name:

Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: US Application no.: 09/293448 Patent no.: 6453291 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/229478
Patent no.: 6091757

Countries applicable: US

Notes: Bei

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

e: MOTOROLA

Company name: MOTO Project: UMTS

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration:
Application no.:

Og/204702
Patent no.:

Countries applicable:

US

US

US

US

Countries applicable:

Notes:

US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS

Country of registration: US
Application no.: 09/186911
Patent no.: 6212391
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration: US
Application no.: 09/131628
Patent no.: 5991285
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: US
Application no.: 09/124946
Patent no.: 6130883
Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: US
Application no.: 09/107106
Patent no : 6067324

Patent no.: 6067324
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project:

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: KR

Application no.: 10-2000-7015028

Countries applicable:

KR Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

METHOD AND APPARATUS FOR ENCODING MUSIC INTO SEVEN-BIT CHARACTERS THAT CAN BE Title:

COMMUNICATED IN AN ELECTRONIC MESSAGE

Country of registration: US 09/580739 Application no.: Patent no.: 6291756 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: HU Application no.: P9800843 Patent no.: 219255

Countries applicable: HU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: BR

Application no.: PI9915856-6

Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: HK Application no.: EP0310876 Patent no.: 188/1997 Countries applicable: HK

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: SG Application no.: EP0310876 Patent no.: 9790287-8 Countries applicable: SG

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration:

Application no.: EP0352786 Patent no.: 349/1997 HK

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: Application no.: EP0352786

9790285-2 Patent no.: Countries applicable: SG

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS Title:

Country of registration: HK Application no.: EP0352786 Patent no.: 349/1997 HK

Countries applicable: Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration:

Application no.: IN/PCT/2002,00901 IN

IN

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: ы Application no.: P-306002 Patent no.: 174713 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: DE P4244920.0 Application no.:

Countries applicable: DE

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: P4290392.0 Patent no.: P4290392

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration:

Application no.: EP0226613 9790286-0 Patent no.: Countries applicable: SG

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

DEVICES FOR TRANSMITTER PATH WEIGHTS AND METHODS THEREFOR Title:

Country of registration: HU Application no.: P9700908 Patent no.: 218.636 Countries applicable: HU

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

IMPROVED NOISE SUPPRESSION SYSTEM Title:

Country of registration: HK Application no.: EP0226613 Patent no.: 192/1997 HΚ

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

Title: METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA

INTERCHANGE

Country of registration: MX

Application no.: PA/A/2002/006696 MX

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: HU

Notes:

Application no.: PCT/US01/00256

Countries applicable: HU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

MOTOROLA Company name: Project: **UMTS**

Title: METHOD FOR SYNCHRONIZING A MOBILE STATION TO UMTS WHILE OPERATING IN GSM

DEDICATED MODE

Country of registration:

Application no.: PCT/US01/18121

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

METHOD FOR GENERATING PREAMBLE SEQUENCES IN A CODE DIVISION MULTIPLE ACCESS Title:

SYSTEM BR

PCT

Country of registration: Application no.: PI0012234-3

Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: BR

Application no.: PI0107467-9 BR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY Title:

Country of registration: BR PI8807880 Application no.: Patent no.: PI8807880-9 BR

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: MY PI9400441 Application no.: Countries applicable: MY

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: BR Application no.: PI9607249-0 Patent no.: 9607249-0

Countries applicable: BR

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration:

Application no.: PI9912272-3 Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROI A **UMTS** Project:

Title: METHOD AND APPARATUS FOR COMMUNICATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration:

Application no.: PI9912642-7

Countries applicable: **BR**

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time

MOTOROLA Company name: Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: HU Application no.: P9302299 Patent no.: 216677 Countries applicable: HU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: LIMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:

Application no.: 99808117.5

CN

Countries applicable: CN Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: BR Application no.: 9810855-7 Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

MOTOROLA Company name: **UMTS** Project:

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: BR Application no.: 9814785-4

Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

Title: APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM

Country of registration: CN Application no.: 98802467.5

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROL A **UMTS**

Project:

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: CN Application no.: 98807782.5

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** LIMTS Project:

METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR Title:

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

CN Country of registration: Application no.: 98813292.3

Countries applicable: CN

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: **EPO** Application no.: 98901181.2 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: EPO 98966754.8 Application no.: Patent no.: EP1053613 Countries applicable: EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: **UMTS** Project:

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 98967150.8 Patent no.: EP1228590 Countries applicable: **EPO**

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD AND APPARTUS FOR COING AN INFORMATION SIGNAL

Country of registration: BR
Application no.: 9904633-4
Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS
Title: METH

METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: BR
Application no.: 9909481-9
Countries applicable: BR

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD OF OPERATING A RADIO TRANS. OR COMM. SYSINCL. CENTRAL STA. AND A

PLURALITY OF INDI. REMOTESTA., A RAD. TRANS. OR COMM.SYS.& A REMOTE STA.

Country of registration: SG
Application no.: EP0269643
Patent no.: 9790338-9

Countries applicable: SG

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: BR
Application no.: 9911629-4

Countries applicable: BR
Notes: Being awa

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: SG
Application no.: EP0179898
Patent no.: 9090304-8
Countries applicable: SG

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION

SYSTEM

Country of registration: EPO
Application no.: 99913836.5
Patent no.: EP1080544
Countries applicable: EPO

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: METHOD FOR UPDATING FORWARD POWER CONTROL IN A COMMUNICATION SYSTEM

Country of registration: EPO
Application no.: 99914262.3
Patent no.: EP1070394

Countries applicable: EPO

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR COMMUNCATING SIGNALS OF VARIOUS CHANNEL TYPES IN

CDMA COMMUNICATION SYSTEMS

Country of registration:EPOApplication no.:99930342.3Patent no.:EP1104600Countries applicable:EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration:EPOApplication no.:99935337.8Patent no.:EP1092273Countries applicable:EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR POSITIONING GSM MOBILE STATIONS

Country of registration: EPO
Application no.: 99956911.4
Countries applicable: EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS OF VOICE PACKET COMMUNICATIONS

Country of registration: EPO
Application no.: 99963155.9
Patent no.: EP1101368
Countries applicable: EPO

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: EPO
Application no.: 99964050.1
Patent no.: EP1135867
Countries applicable: EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: **CELLULAR TELEPHONE SYSTEM**

Country of registration: JΡ Application no.: 1-59863 Patent no.: 2079947 JP

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: AT Application no.: A9006/92 Patent no.: 407812 Countries applicable: AT

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM Title:

Country of registration: CA Application no.: 2203917 Patent no.: 2203917 Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR DATA TRANSMISSION WITHIN A BROADBAND COMMUNICATION Title:

SYSTEM Country of registration: BR Application no.: 9910263-3

Countries applicable: BR

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: TRUNKED COMMUNICATION SYSTEM WITH NATIONWIDE ROAMING CAPABILITY

Country of registration: ΑU Application no.: 29335/89 Patent no.: 618068 Countries applicable: ΑU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/ DATA AND EMBEDDED Title:

SIGNALLING Country of registration: CA 514356 Application no.: 1259659 Patent no.:

Countries applicable: CA Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

> give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM

Country of registration: CA
Application no.: 486521
Patent no.: 1230648

Countries applicable: CA

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR TDM COMMUNICATION SYSTEM EMPLOYING OFFSET FRAME SYNCHRONIZATION

Country of registration: US
Application no.: 485408
Patent no.: 5228029
Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: CA
Application no.: 480561
Patent no.: 1231383
Countries applicable: CA

Notes:Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: CELLULAR VOICE AND DATA RADIO TELEPHONE

Country of registration: AU
Application no.: 46345/85
Patent no.: 577742
Countries applicable: AU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: A SPREAD SPECTRUM CHANNEL APPARATUSAND METHOD OF COMMUNICAT ION

Country of registration: JP
Application no.: 4-507304
Patent no.: 2632596
Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: JP
Application no.: 4-507288
Patent no.: 2987935
Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG TERM LAG PARAMETER DETERMINATION

Country of registration: US
Application no.: 402958
Patent no.: 5097508
Countries applicable: US

Countries applicable: U
Notes: B

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS

Country of registration:JPApplication no.:3-512685Patent no.:2750638Countries applicable:JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR SUPPRESSING NOISE IN A COMMUNICATION SYSTEM

Country of registration: TH
Application no.: 34157
Countries applicable: TH

Notes: Being aware of

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: HANDOFF APPARATUS AND METHOD WITH INTERFERENCE

Country of registration: CA
Application no.: 539748
Patent no.: 1238689
Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: A RADIOTELEPHONE SYSTEM EMPLOYING DIGITIZED SPEECH/ DATA SIGNALLING

Country of registration:USApplication no.:310013Patent no.:4876740Countries applicable:US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND SYSTEM FOR GENERATING A COMPLEX PSEUDONOISE SEQUENCE FOR

PROCESSING A CODE DIVISION MULTIPLE ACCESS SIGNAL

Country of registration: CA
Application no.: 2318271
Countries applicable: CA
Notes: Being aw

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

METHOD AND APPARATUS FOR SIMULTANEOUS CIRCUIT-SWITCHED VOICE AND GPRS DATA Title:

INTERCHANGE

Country of registration: ΑU Application no.: 27606/01 Countries applicable: ΑIJ

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR Title:

Country of registration: JΡ Application no.: 2-509641 Patent no.: 3268360 Countries applicable: JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY Title:

Country of registration: ΑU Application no.: 24278/88 Patent no.: 613970 Countries applicable: AU

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs. ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

CLOCK RATE MATCHING IN INDEPENDENT NETWORKS Title:

Country of registration: N7 Application no.: 241673 Patent no.: 241673 Countries applicable: ΝZ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND SYSTEM FOR TRANSMITTING AND DEMODULATING A COMMUNICATIONS SIGNAL Title:

USING AN ADAPTIVE ANTENNA ARRAY IN A WIRELESS COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2336307 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM Title:

Country of registration: BR PI9916802-2 Application no.:

Countries applicable: **BR**

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: Motorola **UMTS** Project: Title: TD-CDMA

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: MOTOROLA Project: **UMTS**

Title: DATA TRANSMISSION WITHIN A SPREAD SPECTRUM COMMUNICATION SYSTEM

Country of registration: **EPO** Application no.: 99968544.9 EP1145466 Patent no.:

Countries applicable: **EPO** Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

APPARATUS AND METHOD FOR RATE DETERMINATION IN A COMMUNICATION SYSTEM Title:

Country of registration: CA Application no.: 2281696 Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: US Application no.: 225337 Patent no.: 4905301

Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

METHOD AND APPARATUS FOR POWER CONTROL IN A SPREAD SPECTRUM COMMUNICATION Title:

SYSTEM Country of registration: CA Application no.: 2220068 Patent no.: 2220068

Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project:

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: AR Application no.: 327618 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: ΑT

Application no.: 85902748.4 Patent no.: EP00179898

Countries applicable: AT

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM

Country of registration: CA Application no.: 2298647 Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: CA Application no.: 574300 Patent no.: 1307828

Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

IT Application no.: RM92A000119 1258355 Patent no.: Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration:

Application no.: SE9302618-5 Patent no.: 516082 Countries applicable: SE

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM Title:

COMMUNICATION SYSTEM

Country of registration: SE

Application no.: SE9403860-1 SF

Countries applicable:

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:

Application no.: 85902748.4 Patent no.: EP0179898 FR

Countries applicable:

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA**

Project: UMTS

TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE Title:

Country of registration: BE Application no.: 85902748.4 EP00179898 Patent no.:

Countries applicable: BE

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

CELLULAR VOICE AND DATA RADIOTELEPHONE SYSTEM Title:

Country of registration: CN Application no.: 85106519 Patent no.: 10981 Countries applicable: CN

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROL A Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR TRANSMITTING SIGNALS IN A COMMUNICATION SYSTEM Title:

Country of registration: ΑIJ Application no.: 84851/98 Patent no.: 732494 Countries applicable: ΑU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name: Project: **UMTS**

Title: CLOCK RATE MATCHING IN INDEPENDENT NETWORKS

Country of registration: TW Application no.: 81101381 Patent no.: NI-62506 Countries applicable: TW

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: **MOTOROLA** Project: **UMTS**

PROVISION OF SPEECH CODER GAIN INFORMATION USING MULTIPLE CODING MODES Title:

Country of registration: US Application no.: 755393 Patent no.: 5657418 Countries applicable: US

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: IMPROVED NOISE SUPPRESSION SYSTEM

Country of registration: US
Application no.: 750942
Patent no.: 4628529

Countries applicable: US

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: TWO-WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration:EPOApplication no.:85902748.4Patent no.:EP0179898Countries applicable:EPO

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDEING HIGH DATA RATE TRAFFIC CHANNELS IN A

SPREAD SPECTRUM COMMUNICATION SYSTEM COMMUNICATION SYSTEM

Country of registration: US
Application no.: 669127
Patent no.: 5204876
Countries applicable: US

Countries applicable: US Notes: Beir

give within the

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA

Project: UMTS

Title: METHOD AND APPARATUS FOR COHERENT COMMUNICATION IN A SPREAD SPECTRUM

COMMUNICATION SYSTEM

Country of registration: JP
Application no.: 6-520006
Countries applicable: JP

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY

Country of registration: JP
Application no.: 63-507748
Patent no.: 1941842
Countries applicable: JP

Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: UMTS

Title: PACKET-SWITCHED CELLULAR TELEPHONE SYSTEM

Country of registration: CA
Application no.: 586769
Patent no.: 1309480
Countries applicable: CA

Notes: Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: A TWO WAY PERSONAL MESSAGE SYSTEM WITH EXTENDED COVERAGE

Country of registration: Application no.: 60-502214

Patent no.: 1782034 Countries applicable: JP

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

MOTOROLA Company name:

Project: **UMTS**

METHOD OF OPERATING A SYSTEM INCLUDING A CENTRAL STATION AND A PLURALITY OF Title:

INDIVIDUAL REMOTE STATIONS A SYSTEM AND A REMOTE STATION

Country of registration: DK Application no.: 5760/87 Patent no.: 165273 Countries applicable: DK Notes:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA Project: **UMTS**

NOISE SUPPRESSION SYSTEM Title:

Country of registration: JΡ

Application no.: 61-502908 Patent no.: 2714656 Countries applicable: JΡ

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject from Motorola within that time.

Company name: **MOTOROLA**

Project: **UMTS**

Title: SELECTIVE SYSTEM SCAN FOR MULTIZONE RADIOTELEPHONE SUBSCRIBER UNITS

Country of registration: CA Application no.: 601702 Patent no.: 1297162 Countries applicable: CA

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time

Company name: MOTOROLA Project: **UMTS**

Title: TWO WAY PERSONAL MESSAGE WITH EXTENDED COVERAGE

Country of registration: US Application no.: 608334 Patent no.: 4644351 Countries applicable: US

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified

that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

Company name: MOTOROLA **UMTS** Project:

Title: METHOD FOR AUTHENTICATION AND PROTECTION OF SUBSCRIBERS IN TELECOMMUNICATION

SYSTEMS Country of registration: US Application no.: 626227 Patent no.: 5239294 Countries applicable:

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes:

give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

Title: DIGITAL SPEECH CODER HAVING IMPROVED LONG-TERM PREDICTOR

Country of registration: Application no.: 59525/90 Patent no.: 634795 Countries applicable: ΑU

Being aware of the requirement within the ETSI IPR Policy, Section 6.1, that ETSI requests Motorola to Notes: give within three months a written undertaking to grant licenses under these IPRs, ETSI has been notified that such a request has been received by Motorola and expects further communication on the subject

from Motorola within that time.

NEC Corporation Company name: Project: UMTS W-CDMA Title:

Country of registration:

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 Project: UMTS Title: W-CDMA

Country of registration:

Notes:

Nokia is prepared to grant under its respective essential IPRs licenses/crosslicenses (subject to reciprocity) on a fair, reasonable and non discriminatory basis (in accordance with ETSI's IPR Policy

Clause 6.1)

Company name: Nokia Corporation

Project: **UMTS**

Delay control method Title:

Country of registration: **EPO** 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 CN

Country of registration:

Application no.:

99804786.4

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: Delay control method

Country of registration: Application no.:

CA 2325446

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Delay control method FΙ

Country of registration: 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,

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR
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,

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: JP
Application no.: 8-511421

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 944488, 971270

Patent no.: 96558

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 95932032
Countries applicable: HK

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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: CN
Application no: 95195

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,

Nokia Corporation Company name:

Project: UMTS

Title: High speed data 2

Country of registration: Application no.:

CĂ 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**

High speed data 2 Title: Country of registration: US Application no.: US 09/506735 Patent no.: US 6072787

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ

Application no.: 2000-541783

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Delay control method 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**

Multiple flow with same QOS profile in a PDP context Title: BR

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**

Multiple flow with same QOS profile in a PDP context

Country of registration: Application no.:

CA 2339825

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.

Nokia Corporation Company name:

Project:

Title: Multiple flow with same QOS profile in a PDP context

Country of registration: Application no.: 981722 105969 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,

Nokia Corporation Company name:

Project: UMTS

Title: High speed data 2

Country of registration: ΑŬ 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio Title:

> system CN

Country of registration:

PCT/FI99/00927 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**

Multiple flow with same QOS profile in a PDP context Title:

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: LIMTS

Title: Multiple flow with same QOS profile in a PDP context

Country of registration:

Application no.:

Notes:

US 09/763001

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration: BR

PI9911243-4 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 delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.:

CN 99807122.6

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.

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 ÉPO

Country of registration: Application no.:

99931292.9

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: A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.:

981387

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Multiple flow with same QOS profile in a PDP context Title: FPO

Country of registration: Application no.:

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: Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio

system ΑU

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

Project: **UMTS**

Title: Shared channel signalling with training sequences in UTRA/TDD

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:

Title: Shared channel signalling with training sequences in UTRA/TDD

Country of registration:

Application no.: 2001-508078

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with 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: Shared channel signalling with training sequences in UTRA/TDD

Country of registration: Application no.:

NO 20011094

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Shared channel signalling with training sequences in UTRA/TDD

Country of registration: US

PCT/FI00/00614 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**

Shared channel signalling with training sequences in UTRA/TDD Title:

Country of registration: PCT

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: Method for routing CN PDUS in 3G networks

Country of registration:

Application no.: PI9911304-0

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: 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: Method for routing CN PDUS in 3G networks

Country of registration: CN

99807410 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: Method for routing CN PDUS in 3G networks

Country of registration: Application no.:

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.: 981398 Patent no.: 106830

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ

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.

Company name: Nokia Corporation

Project: **UMTS**

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio Title:

> system 982432

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: Method for routing CN PDUS in 3G networks

Country of registration: PCT

Application no.:

PCT/FI99/00522

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.: 08/817963, 08/676023

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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 ÉΡΟ

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.

Nokia Corporation Company name:

Project: **UMTS**

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio Title:

system JΡ Country of registration: 11-318161

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**

Method and arrangement for optimal scheduling of slotted-mode related measurements in a cellular radio Title:

system

Country of registration:

Application no.:

09/435910

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: PCT

Application no.:

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: High speed data 1

Country of registration: ΑU Application no.: 35239/95 Patent no.: 701594

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CA 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,

Project: UMTS

Title: High speed data 1

Country of registration: Application no.:

CŇ

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,

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: **EPO** Application no.: 95932031 Countries applicable: HK

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, 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: 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: LIMTS

Title: High speed data 1 JP

Country of registration: Application no.:

8-511420

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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:

High speed data 1 Title:

Country of registration: Application no.:

KR 701980

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: SG Application no.: 9701460-9 Patent no.: 39174

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Method for routing CN PDUS in 3G networks

Country of registration: Application no.:

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: UMTS

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: ZA
Application no.: 96/1913
Patent no.: 96/1913

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN 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: Speech decoder having post processing excitation Country of registration: CA

Country of registration: Application no.:

224688

Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Speech decoder having post processing excitation

Country of registration: BR **Application no.:** 9608479-0

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

Speech decoder having post processing excitation

Country of registration: AU
Application no.: 62309/96
Patent no.: 714752
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,

Project:

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: 416019 Application no.: 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

Project: **UMTS**

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

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: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: Application no.:

EPO

Notes:

96908945.7 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:

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: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: Application no.:

Title:

CA 2216315

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: HK Application no.: 98100818.3 1001846 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.

712

Company name: Nokia Corporation

Project:

Title: Predictive split-matriz quantization of spectral parameters for efficient coding of speech

Country of registration: 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

IN

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration:

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: US

Application no.: 383968, 509525 Patent no.: 5701392

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 SE

Country of registration:

Application no.:

Notes:

9600918-8

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: Nokia Corporation

Project: **UMTS**

Depth-first algebraic-codebook search for fast coding of speech Title:

Country of registration: Application no.:

RU 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 SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: PI9600844

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MX 97/06885 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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:
Application no.:

KR 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

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.:

JP 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: IT

Application no.: TO96A000174
Patent no.: 01285305

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 712309 Patent no.: 5859843

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

BR 9604838.7

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: Nokia Corporation

Project: UMTS

Title: Sophisticated location update for cellular mobile stations

Country of registration: AU
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: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM JΡ

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**

Framing technique for a multi-rate CDMA communication system Title:

Country of registration:

Application no.:

JΡ 247260/1997

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: Nokia Corporation

Project: **UMTS**

Title: Framing technique for a multi-rate CDMA communication system

Country of registration: Application no.:

EPO 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**

Framing technique for a multi-rate CDMA communication system 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.

Nokia Corporation Company name:

Project: **UMTS**

Title:

Framing technique for a multi-rate CDMA communication system BR

Country of registration: Application no.:

Notes:

Title:

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Sophisticated location update for cellular mobile stations

Country of registration: US Application no.: 718512

Patent no.: 5889770 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 .IP

Country of registration:

7526100

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.

HK

Project: UMTS

Title: Sophisticated location update for cellular mobile stations

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: FI
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: Speech decoder having post processing excitation

Country of registration: EPO Application no.: EPO 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: Sophisticated location update for cellular mobile stations

Country of registration: CN

Application no.: 95192480.3

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: Speech decoder having post processing excitation

Country of registration: ES
Application no.: P9750009
Patent no.: 9750009

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US

Application no.: 08/724375, 09/143494 **Patent no.:** 5802465, 6167248

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: JΡ Application no.:

6-213046

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: Virtual packet channel over cellular network

Country of registration: **EPO** 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**

Virtual packet channel over cellular network 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.

Nokia Corporation Company name:

Project: **UMTS**

Title: Virtual packet channel over cellular network CN

Country of registration:

Application no.:

95100020.9

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: Speech decoder having post processing excitation

Country of registration: US

Application no.: 08/662991. 09/135936 6029128, 5946651 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: Nokia Corporation

Project: **UMTS**

Title: Speech decoder having post processing excitation

Country of registration: RU Application no.: 98101107

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Speech decoder having post processing excitation

Country of registration: JĖ 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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: GB Application no.: 9605123.0 Patent no.: 2299001

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 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**

Vector adaptive predictive coder for speech and audio Title:

Country of registration:

Application no.: 92108904.1 Patent no.: GSM 05.03684 Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

ES 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: UMTS

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

EPO 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

Project: **UMTS**

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech DĚ

Country of registration: Application no.:

19604273.9

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:

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration:

CŇ Application no.: 96193095.0

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Project: **UMTS**

Title:

Country of registration: Application no.:

Notes:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

CA 2210765

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

BR 9607026.9

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: Application no.:

Notes:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

44796/96

AU

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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

0335305

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: Vector adaptive predictive coder for speech and audio

Country of registration: US Application no.: 035615 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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

Application no.:

Notes:

422CAL96

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Vector adaptive predictive coder for speech and audio

Country of registration:

 Application no.:
 92108904.1

 Patent no.:
 GSM 05.03684

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:
 GB

 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

Title: Vector adaptive predictive coder for speech and audio

Country of registration: FR
Application no.: 92108904.1
Patent no.: GSM 05.03684

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 92108904.1 Patent no.: GSM 05.03684

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Vector adaptive predictive coder for speech and audio

Country of registration: DE 92108904.1

Patent no.: GSM 05.03684

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: SE

Application no.: 90915956.8

Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: NL

Application no.: 90915956.8

Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:
 GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IT

 Application no.:
 90915956.8

 Patent no.:
 GSM 05.16621

 The SIGNATOR

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

Application no.: 84973/1988
Patent no.: 2887286

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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.:

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: Application no.:

FR 9602957

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 Patent no.: 9650035

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: **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,

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 DE

Country of registration:

Application no.:

19609170.5

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: CN Application no.:

96193196.5

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: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: CA 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,

Project:

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration:

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**

Title: Depth-first algebraic-codebook search for fast coding of speech

Country of registration: Application no.:

ΑU 47811/96

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: AR

P960101681 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**

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech Title: FΙ

Country of registration:

Application no.: 973241

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

5754976

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 383968, 508801

Application no.: 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: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: FR 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**

Title: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: RU

97114804

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:

Nokia Corporation

Project:

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

NŎ 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.

723

Company name:

Nokia Corporation

Project: Title:

UMTS

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

MY PI9600300

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

Nokia Corporation

Project: Title:

UMTS Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

ΜX 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:

UMTS

Title: Country of registration: Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech KR

Application no.:

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

Country of registration:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Application no.:

JP 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

Project:

UMTS

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

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

Project:

UMTS

Title:

Algebraic codebook with signal-selected pulse amplitude/position combinations for fast coding of speech

Country of registration: Application no.:

IN

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: ΗŘ

Application no.: 98101406.9

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: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: ΑU Application no.: 5650696 Patent no.: 708324

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ZA 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: LIMTS

Title: Maintenance of data integrity in a 3G network

Country of registration: FΙ Application no.: 990071 106497 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: Modification to GPRS specifications for 3rd generation cellular systems US

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**

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,

Project: UMTS

Title: Interworking between radio access networks

Country of registration: PCT

Application no.: PCT/FP99/00452

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

991194

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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,

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: CA Application no.: 2320464

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 CN

Country of registration:

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: Secure detach procedure

Country of registration: Application no.:

EPΩ 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

UMTS Project:

Title: Secure detach procedure

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,

Project: **UMTS**

Title: Encoding blocks for turbo codes

Country of registration:

Application no.: 09/719585

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

PCT

Country of registration:

Application no.: PCT/EP98/08064

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** Application no.: 00920784.6

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: Maintenance of data integrity in a 3G network

Country of registration: PCT

Application no.: PCT/FI00/00025

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Mip advertisement

Country of registration:

Application no.: 991297

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Mip advertisement

Country of registration: PCT

PCT/FI00/00504 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: Encoding blocks for turbo codes

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: Encoding blocks for turbo codes

Country of registration: CA Application no.:

2333109

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

CN Application no.: 00800593.1

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

UMTS Project:

Title: Encoding blocks for turbo codes **EPO**

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**

Encoding blocks for turbo codes Title:

Country of registration: FΙ Application no.: 990863 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.

Nokia Corporation Company name:

Project: **UMTS**

Framing technique for a multi-rate CDMA communication system Title: KR

Country of registration: Application no.:

97-46432

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Secure detach procedure

Country of registration: Application no.:

Title:

09/627684

US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

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

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: Packet routing in GSM interoperator network

Country of registration: AU
Application no.: 43928/96
Patent no.: 702765

Notes: The SIGNATORY has notified ETSI that it is the proprietor of 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: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: Application no.:

CA 2209715

Application no.: 2209 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: Nokia Corporation

Project: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: Application no.:

CN 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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 96900336.7 Countries applicable: 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: UMTS

Title: Packet routing in GSM interoperator network

Country of registration: FI
Application no.: 950116
Patent no.: 98586

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP 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,

Project:

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

Title: Packet routing in GSM interoperator network

Country of registration: SG Application no.: 9705557-8 Patent no.: 49522

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: LIMTS

Title: Modification to GPRS specifications for 3rd generation cellular systems

Country of registration:

JΡ

Application no.:

2000-506260

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 Country of registration: CN

Application no.: 99803016.3

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**

Modification to GPRS specifications for 3rd generation cellular systems Title:

Country of registration: FΙ Application no.: 991466

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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 and a system for controlling a macrodiversity connection through at least two radio network

controllers

Country of registration:

Application no.: 980348, 981811

Patent no.: 106667

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 JΡ

Country of registration:

2000-531914

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: 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: A method for controlling connections to a mobile station

Country of registration: BR

Application no.:

PI9909307-3 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: A method for controlling connections to a mobile station

Country of registration: Application no.:

CN 99805061

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 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

Project: **UMTS**

Title: A method for controlling connections to a mobile station

Country of registration:

Application no.: 2000-541842

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: A method for controlling connections to a mobile station

Country of registration: US Application no.:

09/647132

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

PI0006854-3 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**

Encoding blocks for turbo codes Title:

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

Title: A method and a system for controlling a macrodiversity connection through at least two radio network

controllers CA

Country of registration:

Application no.:

Notes:

2320101

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station

Country of registration:

BR

Application no.:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: 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,

Project: **UMTS**

Title: Location update method and inter core network entity handover method

Country of registration:

Application no.:

09/098216, 09/271191

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Location update method and inter core network entity handover method

JP 2000-555450

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Location update method and inter core network entity handover method

Country of registration: Application no.:

Notes:

EPO 99928487.0

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: Location update method and inter core network entity handover method

Country of registration:

Application no.:

Notes:

CN 99808674.6

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.

Location update method and inter core network entity handover method

Company name: Nokia Corporation

CA

Project: UMTS

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

Project: **UMTS**

Title: Method for establishing a signaling connection with a mobile station

Country of registration: US 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

UMTS Project:

Title: Method for establishing a signaling connection with 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,

Project:

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: Encoding blocks for turbo codes

Country of registration: JP Application no.:

2000-613080

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 establishing a signaling connection with a mobile station

Country of registration: CN

99804784.8 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: Code allocation in soft handover FΙ

Country of registration: Application no.:

Notes:

990363

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR Application no.: 707574

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration:
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: Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.:

98101125.9

HK

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

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: Delayed frame acknowledge in a sliding-window flow control protocol **Country of registration:** EPO

Country of registration: Application no.:

96913557

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration:

Application no.: Notes:

96190461.5

under the IPRs of

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Delayed frame acknowledge in a sliding-window flow control protocol

Country of registration: Application no.: CA 2193379

Notes:

Title:

A 102270

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: Application no.: EPO 99913342 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.

Project: **UMTS**

Title: A handover measurement and reporting scheme

Country of registration: Application no.:

09/622468

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 new timing proposal for RACH **PCT**

Country of registration:

Application no.: PCT/EP99/03630

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

LIMTS Project:

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: Usage of AMR speech codec in WCDMA

Country of registration: Application no.:

LIS

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: PCT/FI00/00615

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**

Handling of classmarks Title:

Country of registration: Application no.:

GB

Notes:

9918636.3 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.

Nokia Corporation Company name:

UMTS Project:

Title: Handling of classmarks

Country of registration:

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,

Project:

Title: A handover measurement and reporting scheme

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

UMTS Project:

Title: A handover measurement and reporting scheme

Country of registration:

Application no.: 99803036.8

Notes:

CN

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: A handover measurement and reporting scheme **EPO**

Country of registration: 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: **UMTS**

Title: Code allocation in soft handover CN

00800191.X

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:

Country of registration:

Application no.:

Notes:

A handover measurement and reporting scheme

2000-532992

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Code allocation in soft handover

EPO Country of registration:

00905100.4 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: Multicall paging procedure

Country of registration:

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: 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**

Title: Multicall paging procedure

Country of registration: Application no.:

JP 2000-575324

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: US

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Multicall paging procedure PCT

Country of registration:

Application no.:

Notes:

PCT/EP98/06360

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Transportation of QOS mapping information

990009, 990253

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Code allocation in soft handover

Country of registration: Application no.:

US

Notes:

09/673579

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: 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: UMTS

Title: Code allocation in soft handover JP

Country of registration:

Application no.: 2000-600435

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 90915956.8 Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ Application no.: 980357 Patent no.: 106285

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 CN

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**

Method in a packet network Title:

Country of registration:

Application no.: Notes:

JP 2000-542938

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FPO Application no.: 99913333.3

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:

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

Project: **UMTS**

Title: Method of controlling communication resources

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

Project: **UMTS**

Title: Method of controlling communication resources

PΗ

Country of registration: Application no.:

0001931

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Project: **UMTS**

Title: Method of controlling communication resources JΡ

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**

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

Project: **UMTS**

Title: Information transmission in a telecommunications system

Country of registration: CN

Application no.: 98809189.5

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: Method of controlling communication resources

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:

Project: **UMTS** Title:

Country of registration:

Method of ciphering data transmission, and cellular radio system BR

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 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: **UMTS**

Information transmission in a telecommunications system Title:

Country of registration: 7A Application no.: 98/7472 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**

Information transmission in a telecommunications system Title: US

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: Information transmission in a telecommunications system

Country of registration: PH

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**

Information transmission in a telecommunications system

Country of registration: Application no.:

MY PI9803775

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.

Project:

Title: Information transmission in a telecommunications system

Country of registration:

Application no.: 2000-510304

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name:

IN

Project: UMTS

Title: Information transmission in a telecommunications system

Country of registration:

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

Title: Information transmission in a telecommunications system FΙ

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**

Fast sparse-algebraic-codebook search for efficient speech coding Title:

Country of registration: GR Application no.: 90915956.8 Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Method of controlling communication resources Title:

Country of registration: FΙ 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

UMTS Project:

Title: Method for connection reconfiguration in cellular radio network

Country of registration: Application no.: 98813368.7

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

Project: **UMTS**

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: **BR**

PI9901046-1

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: **UMTS**

Title: A handover method, and a cellular radio system

Country of registration:

Application no.: 09/043012, 09/756851

Patent no.: 6198928

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 method, and a cellular radio system Title:

Country of registration: Application no.:

980874

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ 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**

A handover method, and a cellular radio system Title:

Country of registration: **EPO** 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: A handover method, and a cellular radio system CN

Country of registration:

Application no.:

95197949.3

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:

A handover method, and a cellular radio system

Country of registration: ΑU Application no.: 32605/95 Patent no.: 712159

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.:

09/627526

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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:

Application no.: 2000-529860

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Method in a packet network

US

Country of registration:

Application no.: 09/283940

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 **EPO**

Country of registration: Application no.:

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

ΔII

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio system

Country of registration: Application no.:

20570/99

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.

Company name: Nokia Corporation

Project: UMTS

Title: Method for connection reconfiguration in cellular radio network CA

Country of registration:

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

Project: **UMTS**

Method for connection reconfiguration in cellular radio network Title:

Country of registration: **BR**

PI9814925-3 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 of ciphering data transmission, and cellular radio system

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,

Project:

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

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**

Title: Method of ciphering data transmission, and cellular radio system

Country of registration: Application no.:

JΡ 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

UMTS Project:

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.:

2000/00204/CHE

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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

980209

Project: **UMTS**

Title: Method of ciphering data transmission, and cellular radio 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: Nokia Corporation

Project: UMTS

Title: Method of ciphering data transmission, and cellular radio system

Country of registration:

Application no.:

99900905.3

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: Method of ciphering data transmission, and cellular radio system

Country of registration: CN

99802508.9 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

UMTS Project:

Title: Information transmission in a telecommunications system

Country of registration:

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,

745

Company name: Nokia Corporation

Project:

Title: Method for connection reconfiguration in cellular radio network

Country of registration: Application no.: 980208 Patent no.: 106172

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 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: Multiple pilot signals in a CDMA cellular communication system

Country of registration: NO Application 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Multiple pilot signals in a CDMA cellular communication system 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.

Nokia Corporation Company name:

Project: **UMTS**

Multiple pilot signals in a CDMA cellular communication system Title:

Country of registration: FΙ Application no.: 952532 Patent no.: 98171

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** Application no.: 96919814

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

96190676.6 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,

Project:

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.: 5820896 Patent no.: 707721

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

09/520387

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: Method of implementing macrodiversity

Country of registration: NO Application no.: 20001225

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 implementing macrodiversity 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

Project: **UMTS**

Title: Information transmission in a telecommunications system **EPO**

Country of registration: Application no.:

98939666.8

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 of implementing macrodiversity

Country of registration: Application no.:

Title:

98943911.2

EPO

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

CN 98109343 4

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 of implementing macrodiversity

Country of registration: Application no.:

ΑU 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

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

US 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

UMTS Project:

Title: Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: JΡ

Application no.: 2000-531967

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ Application no.: 980340 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: Improving user data packet transmission in inter SGSN routing area update in GPRS EPO

Country of registration: Application no.:

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**

Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: CN

Application no.: Notes:

Title:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS** Title:

Improving user data packet transmission in inter SGSN routing area update in GPRS

Country of registration: Application no.:

CA 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,

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/EP98/07931

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

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.

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: UMTS
Method for transmitting two parallel channels using code division and an apparatus realising the method

Title: Country of registration:

Application no.:

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: 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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,

Project: UMTS

Title: Mobile station employing selective discontinuous transmission for high speed data services

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: Mobile station employing selective discontinuous transmission for high speed data services

Country of registration: **EPO**

Application no.: 98305055.0

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

UMTS Project:

Title: Data communication and radio system US

Country of registration: Application no.:

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: **UMTS**

Data communication and radio system Title:

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: Data communication and radio system JP

Country of registration:

Application no.: 11-551218

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΙ Application no.: 980703 Patent no.: 106663

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO**

Application no.: 99913326 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,

Project:

Title: Multiple pilot signals in a CDMA cellular communication system

Country of registration: Application no.:

08/776263

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

ΑU 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

UMTS Project:

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: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

RH Application no.: 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,

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.:

Method for transmitting two parallel channels using code division and an apparatus realising the method

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: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

JΡ 140709/1998

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: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

Application no.: 1164/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,

Project:

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

Application no.: 99102590.2

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: Nokia Corporation

GB

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: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration: Application no.: 972278 Patent no.: 105377

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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

DF

Project: **UMTS**

Title: Method for transmitting two parallel channels using code division and an apparatus realising the method

Country of registration:

Title:

Application no.: 19823504.6

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**

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.: 981194 Patent no.: 106662

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

99800395.6

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,

Project: UMTS

Title: Audio coding method and apparus US

Country of registration:

Application no.: 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:

Project: UMTS

Title: Improvement of soft handoffs in cellular CDMA telecommunications system

Country of registration: US 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**

Title: Audio coding method and apparus

Country of registration: AU 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**

Audio coding method and apparus Title:

Country of registration:

Application no.: 98104180.9

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**

Audio coding method and apparus Title: DF

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**

Audio coding method and apparus

Country of registration: Application no.:

Title:

Title:

98904191.8

EPO

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: Application no.:

971108

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: Audio coding method and apparus

Country of registration: FR 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:

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

Country of registration: JΡ Application no.: 10-63514

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 system for controlling the transmission power of certain parts of a radio transmission 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

Project: **UMTS**

Audio coding method and apparus Title:

Country of registration: Application no.:

SF 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**

Title: Improvement of soft handoffs in cellular CDMA telecommunications system Country of registration: FΙ

Application no.:

961313

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Data transmisson method, and radio system

Country of registration: AU Application no.: 42105/97 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: Data transmisson method, and radio system

Country of registration: CN

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**

Title: Data transmisson method, and radio system

Country of registration: **EPO** Application no.: 97940174.2

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: Nokia Corporation

UMTS Project:

Title: Data transmisson method, and radio system

Country of registration: Application no.: 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**

Title: Data transmisson method, and radio system

Country of registration: .IP

Application no.: 10-512290

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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 transmisson method, and radio system

Country of registration:

Application no.: 19991095

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US 09/230496

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:

Method and device for voice activity detection and a communication device 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,

Project:

Title: Method and device for voice activity detection and a communication device

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: **UMTS**

Title: Audio coding method and apparus

Country of registration: KR

Application no.:

Notes:

99-7008369 The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Flexible synchronization of WCDMA base stations GB

Country of registration: 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:

A method for delivering messages in a wireless communications system using the same protocol for all

types of messages

Country of registration:

Application no.:

ÚS 09/719589

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Fast sparse-algebraic-codebook search for efficient speech coding Title:

Country of registration: ES Application no.: 90915956.8 Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 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: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: **EPO** Application no.: 90915956.8 Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: DK **Application no.:** DK 90915956.8

Patent no.: GSM 05.16621 Notes: The SIGNATORY ha

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 909

 Application no.:
 90915956.8

 Patent no.:
 GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:
 GSM 05.16621

 Notes:
 The SIGNATO

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:
 GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: NÖ Application 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: Flexible synchronization of WCDMA base stations

Country of registration:

JΡ Application no.: 569534/2000

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: Nokia Corporation

UMTS Project:

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: Flexible synchronization of WCDMA base stations

Country of registration: FPO 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

UMTS Project:

Flexible synchronization of WCDMA base stations Title:

Country of registration:

Application no.:

PI9913452-7 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.

Nokia Corporation Company name:

Project: **UMTS**

Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission Title:

Country of registration: PCT

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Use of rate information (TFCI) signalling in soft handover with multicode downlink transmission

Country of registration:

Application no.:

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration: 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: 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: Refined TX-AA mode

Country of registration: PCT

Application no.: PCT/EP99/03440

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU 48209/93 Patent no.: AU 681595

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 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

Title: Mobile communications

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,

Project: UMTS

Title: Flexible synchronization of WCDMA base stations

Country of registration:

Application no.:

Notes:

09/786772

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **EPO** Application no.:

Notes:

99947498.4

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

UMTS Project:

Title: Method and device for voice activity detection and a communication device

Country of registration: US Application no.: 08/763975 Patent no.: 5963901

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Initialisation of UE specific frame number for air interface ciphering 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.

Nokia Corporation Company name:

Project: **UMTS**

Title:

Initialisation of UE specific frame number for air interface ciphering

Country of registration:

Application no.:

PCT PCT/FI99/00926

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration:

CA

Application no.: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

Title: On managing the ciphering keys in UMTS system with double MM

Country of registration: FΙ Application no.: 990757 105964 Patent no.:

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: **UMTS**

Title: 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:

Project: UMTS

Title: Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä

Country of registration: Application no.: 990384 Patent no.: 106901

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 09/507804 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**

Menetelmä ja järjestely pakettidatan siirron hallitsemiseksi solukkojärjestelmässä 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

Project: **UMTS**

Initialisation of UE specific frame number for air interface ciphering Title:

Country of registration: FPO Application no.: 99956044.4

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**

Segmentation without continuation indicator

Country of registration: CN

Title:

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.

Nokia Corporation Company name:

Project: **UMTS**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM

Country of registration: **PCT**

PCT/FI99/00917 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: Segmentation without continuation indicator

Country of registration: 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

Project: **UMTS**

Title: Segmentation without continuation indicator

Country of registration: PCT

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: Shared channel signalling with training sequences in UTRA/TDD

Country of registration: AU 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**

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.

Nokia Corporation Company name:

Project: **UMTS**

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:

Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration: Application no.:

RU 99107638

US

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

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,

Project:

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration:

Application no.: 11-100987

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Method and system for controlling the transmission power of certain parts of a radio transmission

Country of registration:

HK 00102938.1

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: Fast sparse-algebraic-codebook search for efficient speech coding

Country of registration: GB Application no.: 90915956.8 Patent no.: GSM 05.16621

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Segmentation without continuation indicator 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.

Nokia Corporation Company name:

Project: **UMTS**

Title: WCDMA packet mode code resource allocation mechanism in the downlink US

Country of registration: Application no.:

09/486821

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 system for controlling the transmission power of certain parts of a radio transmission

Country of registration:

Title:

EPO 99302738.2

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Mobile communications

Country of registration:

Application no.: 97300015.1, 97954953.2

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,

Project: UMTS

Title: Mobile communications

Country of registration: JP

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**

Mobile communications Title:

Country of registration: KR

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,

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 Patent no.: 5946634

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.

Nokia Corporation Company name:

Project: **UMTS**

WCDMA packet mode code resource allocation mechanism in the downlink Title:

Country of registration:

Application no.:

99801086.3

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**

WCDMA packet mode code resource allocation mechanism in the downlink

Country of registration: Application no.:

Title:

Title:

EPO 99936624.8

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: Nokia Corporation

Project: **UMTS**

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,

Project:

Title: Initialisation of UE specific frame number for air interface ciphering

Country of registration:

Application no.: 990499, 991184 Patent no.: 106494

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

20001072

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: Mobile communications

Country of registration: Application no.:

BR 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**

Call type specific multicall service in 3rd generation mobile networks Title: **EPO**

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**

Call type specific multicall service in 3rd generation mobile networks Title: FΙ

Country of registration: Application no.:

981989

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: .IP

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: **UMTS**

Call type specific multicall service in 3rd generation mobile networks

Country of registration: US

Application no.: PCT/FI99/00545

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are 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: Call type specific multicall service in 3rd generation mobile networks

Country of registration: PCT

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

Project: **UMTS**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM Country of registration: BR

Application no.: PI9906716-1

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**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM CN

Country of registration:

99802021.4

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: LIMTS

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to **GSM**

Country of registration:

EPO 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: **UMTS**

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

GSM

Country of registration: Application no.:

FΙ

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

UMTS Project:

Title: Multicall MMI aspects and interaction with call hold and call waiting. Multicall handover from UMTS to

> **GSM** US

Country of registration: Application no.:

09/600083

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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: JΡ

Application no.: 2000-558616

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN

TELECOMMUNICATION CONNECTIONS

Country of registration: Application no.: 980923 107365 Patent no.:

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: FΙ Application no.: 943303 Patent no.: 98976 **ETSI Deliverable:** TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT Title:

Country of registration:

Application no.: PCT/FI00/00796 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project: Title:

A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration: Application no.:

19992005 ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration: JP

Application no.: 2001-525994 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT Title:

Country of registration: US

Application no.: PCT/FI00/00796 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: A METHOD FOR TRIGGERING A HANDOVER MEASUREMENT REPORT

Country of registration: PCT

Application no.: PCT/FI00/00796 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: US Application no.:

09/877247

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: **EPO** Application no.: 99303192.1

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: JΡ

Application no.: 2000-588978 ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: JP

Application no.: 546494/2000

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN

TELECOMMUNICATION CONNECTIONS

Country of registration: US

Application no.: 09/296814

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: PCT

PCT/FI99/00340 Application no.:

ETSI Deliverable: TS 25.211, TS 2302, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Project:

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: ΑU Application no.: 28886/95 Patent no.: 694788 **ETSI Deliverable:** TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM Title:

Country of registration: CN Application no.: 95190748.4 Patent no.: 95190748.4 **ETSI Deliverable:**

TR 25.832 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: **EPO** Application no.: 99942934.3 ETSI Deliverable: 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**

METHOD AND APPARATUS FOR INDICATING VARIABLE DATA PROCESSING IN Title:

TELECOMMUNICATION CONNECTIONS

Country of registration: CN

Application no.: 99805568.9

TS 25.211, TS 2302, TS 25.331 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: A TIMER-BASED SCHEME FOR EFFICIENT AND ROBUST COMPRESSION OF RTP TIME STAMP

Country of registration: US

Application no.: 09/377913, 09/522363

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: Application no.: 981663 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: IN

Application no.: 2840/MAS/98 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration:

Application no.: 11-000084 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL Title:

Country of registration: KR Application no.: 99-59 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: US Application no.: 09/223531 ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CID FIELD HANDLING IN ROHC Title:

Country of registration: FΙ

Application no.: 20002100

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: **PCT**

PCT/FI99/01038 Application no.: **ETSI Deliverable:** TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CID FIELD HANDLING IN ROHC Title:

Country of registration: **PCT**

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: **UMTS**

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: JP Application no.: 8-504135 ETSI Deliverable: TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A TIMER-BASED SCHEME FOR EFFICIENT AND ROBUST COMPRESSION OF RTP TIME STAMP Title:

Country of registration: **PCT**

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

Project:

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: BR

Application no.: PI9916334-9

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: CA Application no.: 2354519

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

CN Country of registration:

99815532.2

Application no.: ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CALL OR SESSION BARRING BASED ON QOS PARAMETERS Title:

Country of registration: **EPO** Application no.: 99963607.9

ETSI Deliverable: TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: CALL OR SESSION BARRING BASED ON QOS PARAMETERS

Country of registration: FΙ Application no.: 982721 Patent no.: 107772

ETSI Deliverable: TS 23.060, TS 23.107

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CID FIELD HANDLING IN ROHC Title: US

Country of registration:

Application no.: 09/954562

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

TRANSMISSION OF THE FIXED SIZE PDUS THROUGH THE TRANSPARENT RLC Title:

Country of registration: **PCT**

Application no.: PCT/IB01/00489 **ETSI Deliverable:** TS 25.322, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: **EPO** Application no.: 95924335.3 **ETSI Deliverable:** TR 25.832

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS** Title:

ROBUST AND EFFICIENT COMPRESSION OF LIST OF ITEMS

Country of registration:

Application no.: 09/756232, 60/211986

US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

ROBUST AND EFFICIENT COMPRESSION OF LIST OF ITEMS Title:

Country of registration: **PCT**

Application no.: PCT/US01/50525

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: Application no.: 961314

ETSI Deliverable: TS 25.402. TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Proiect: **UMTS**

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM JP

Country of registration: 7-509578 Application no.: Patent no.: 3154493

ETSI Deliverable: TS 25.402. TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS Title:

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: NO Application no.: 961192

ETSI Deliverable: TS 25.402. TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION Title:

Country of registration: US Application no.: 09/978479

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: TRANSMISSION OF THE FIXED SIZE PDUS THROUGH THE TRANSPARENT RLC

Country of registration:

Application no.: 09/821788, 60/195676 **ETSI Deliverable:** TS 25.322, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

FΙ

Project: **UMTS**

VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION Title:

Country of registration:

20002307 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: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: CA Application no.: 2346115

ETSI Deliverable: TS 29.007, TS 27.001

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: CN

Application no.: 99813271.3

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL Title:

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: PCT

PCT/FI01/00946 Application no.: **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: A NOVEL METHOD FOR ESTIMATING ARTIFICIAL HIGHER BAND SIGNAL USING VOICE ACTIVITY

INFORMATION

Country of registration: US Application no.: 09/691323 ETSI Deliverable: TS 26 190

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A NOVEL METHOD FOR ESTIMATING ARTIFICIAL HIGHER BAND SIGNAL USING VOICE ACTIVITY Title:

INFORMATION

Country of registration: PCT

PCT/IB01/01596 Application no.: **ETSI Deliverable:** TS 26.190

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: AN IMPROVED LTP-PARAMETER SUBSTITUTION FOR THE FRAME ERROR CONCEALMENT IN A

SPEECH DECODER

Country of registration: US

Application no.: 09/702540 **ETSI Deliverable:** TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

Country of registration: TELECOMMUNICATIONS SYSTEM US

Application no.: 08/619701
Patent no.: 5722074

ETSI Deliverable: TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD FOR IP TELEPHONY BASED PDP CONTEXT ACTIVATION/MODIFICATION

Country of registration: PCT

Application no.: PCT/EP00/09884
ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: NO 960981
ETSI Deliverable: TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration:USApplication no.:08/617837Patent no.:6011971ETSI Deliverable:TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HANDOVER METHOD AND CELLULAR COMMUNICATIONS SYTEM

Country of registration: PCT

Application no.: PCT/FI95/00389
ETSI Deliverable: TR 25.832

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: ON HANDLING ABNORMAL SITUATIONS IN R00 IM CN SUBSYSTEM: TERMINAL OUT COVERAGE

DURING A CONNECTION

Country of registration: FI

Application no.: 20001878 ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: ON HANDLING ABNORMAL SITUATIONS IN R00 IM CN SUBSYSTEM: TERMINAL OUT COVERAGE

DURING A CONNECTION

Country of registration: PCT

Application no.: PCT/FI01/00747
ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A MECHANISM TO PROJECT THE ADDRESS OF SERVERS BETWEEN NETWORKS

Country of registration: US **Application no.:** 00/238471

ETSI Deliverable: TS 23.228, TS 24.229, TS 24.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: VARIABLE LENGTH CONTEXT IDENTIFIER FOR REAL-TIME HEADER COMPRESSION

Country of registration: PCT

Application no.: PCT/FI01/00902

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMT

Title: SIP OPERATION ON TOP OF UMTS RADIO ACCESS NETWORKS (HEADER ADAPTATION METHOD

SELECTION AND CODEC NEGOTIATION)

Country of registration: PCT

Application no.: PCT/EP00/07932, PCT/EP01/09292

ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: BR

Application no.: P19900005-9 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD TO CORRELATE TRANSPORT LEVEL CHARGING INFORMATION WITH APPLICATION

LEVEL CHARGING INFORMATION IN ALL-IP NETWORKS

Country of registration: US

Application no.: 09/577152, 09/636738, 09/758267

ETSI Deliverable: TS 23.207

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD TO CORRELATE TRANSPORT LEVEL CHARGING INFORMATION WITH APPLICATION

LEVEL CHARGING INFORMATION IN ALL-IP NETWORKS

Country of registration: PCT

Application no.: PCT/IB01/00890
ETSI Deliverable: TS 23.207

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

ACTIVATING A SIGNALLING PDP CONTEXT Title:

Country of registration:

Application no.: 09/546207, 09/546057

ETSI Deliverable: TS 23.228, TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

ACTIVATING A SIGNALLING PDP CONTEXT Title:

Country of registration: PCT

PCT/IB01/00595 Application no.:

ETSI Deliverable:

TS 23.228, TS 23.060, TS 23.107

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: SELECTING CSCF IN THE VISITED NETWORK IN CASE OF EMERGENCY CALL

Country of registration: LIS

Application no.: 09/546208, 09/709716

ETSI Deliverable: TS 23.228, TS 23.003, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

SELECTING CSCF IN THE VISITED NETWORK IN CASE OF EMERGENCY CALL Title:

Country of registration: PCT

Application no.: PCT/US01/11598

ETSI Deliverable: TS 23.228, TS 23.003, TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Proiect: **UMTS**

A MECHANISM TO PROJECT THE ADDRESS OF SERVERS BETWEEN NETWORKS Title:

Country of registration: **PCT**

Application no.: PCT/IB01/01896

ETSI Deliverable: TS 23.228, TS 24.229, TS 24.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD Title:

Country of registration: **PCT**

Application no.: PCT/FI00/01037 **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**

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: **EPO** Application no.: 99300037.1 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: U

Application no.: PCT/FI00/00620
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,

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: PCT

Application no.: PCT/FI00/00620
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,

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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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: FI
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

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: JP

Application no.: PCT/Fl00/00620
ETSI Deliverable: TS 25.211
Notes: The SIGNATOR

tes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD

Country of registration: 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

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: FI
Application no.: 991589
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,

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: FI
Application no.: 20000043
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

Title: FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING

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

Title: FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING

Country of registration:USApplication no.:09/757917ETSI 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

Title: FDD-FDD INTERFREQUENCY HANDOVER USING COMPRESSED MODE WITH PUNCTURING

Country of registration: PCT

Application no.: PCT/FI01/00016
ETSI Deliverable: TS 25.215

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: ADVANCED N-PDU NUMBERING IN PDCP LAYER

Country of registration:

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,

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:USApplication no.:09/779979ETSI Deliverable:TS 25.323

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: MODIFIED INTRA-FRAME INTERLEAVING WITH UTRA TDD

Country of registration: JP

Application no.: 2000-361468 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

Title: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL-TIME DATA

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

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: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: JP

2000-570990

Application no.: 200 ETSI Deliverable: TS

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,

Project: UMTS

Title: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: US
Application no.: 09/394951
ETSI Deliverable: 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: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: PCT

Application no.: PCT/FI99/00728
ETSI Deliverable: 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: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL-TIME DATA

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

Title: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL-TIME DATA

DURING CERTAIN HANDOVERS

Country of registration: EPO 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 FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: KR

Application no.: PCT/FI00/00620
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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMT

Title: METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL-TIME DATA

DURING CERTAIN HANDOVERS

Country of registration: JP

Application no.: 2000-584714 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:

Title: ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS

Country of registration:

Application no.: 09/780529

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**

METHOD AND ARRANGEMENT FOR AVOIDING LOSS OF ERROR-CRITICAL NON REAL-TIME DATA Title:

DURING CERTAIN HANDOVERS

Country of registration: **PCT**

Application no.: PCT/FI99/00964 **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

UMTS Project:

MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA Title:

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration:

Application no.: 19991834 107674 Patent no.:

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

UMTS Project:

Title: MENETELMÄ TIEDONSIIRRON OPTIMOIMISEKSI PAKETTIKYTKENTÄISESSÄ LANGATTOMASSA

TIEDONSIIRTOJÄRJESTELMÄSSÄ

Country of registration: US Application no.: 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**

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: CN

Application no.: PCT/FI00/00620 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: UMTS

Title: METHOD FOR TRANSMITTING A SEQUENCE OF SYMBOLS

Country of registration: EPO

Application no.: PCT/FI00/00620
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,

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: FI 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: TEMPORARY INDENTITY CODING

Country of registration: US
Application no.: 09/806939
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration: IN
Application no.: 2396/MAS/97
ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration: JP
Application no.: 9-292991
ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title:

METHOD FOR RADIO RESOURCE CONTROL

Country of registration: KR
Application no.: 97-54860
ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration:USApplication no.:802645Patent no.:6031827ETSI Deliverable:TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

TEMPORARY INDENTITY CODING Title:

Country of registration: CN

Application no.: 99811826.5 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

TEMPORARY INDENTITY CODING Title:

Country of registration: FPO Application no.: 99947502.3 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project:

Title: ADVANCED N-PDU NUMBERING IN PDCP LAYER

Country of registration: PCT

PCT/FI01/00129 Application no.: 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: TEMPORARY INDENTITY CODING

Country of registration: JΡ

2000--575325 Application no.: ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: METHOD FOR RADIO RESOURCE CONTROL

EPO Country of registration: Application no.: 97660109.6 **ETSI Deliverable:** TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: TEMPORARY INDENTITY CODING PCT

Country of registration:

Application no.: PCT/FI99/00825 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL

Country of registration: **EPO** Application no.: 00940696.9 **ETSI Deliverable:** TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL

Country of registration:GBApplication no.:9915593.9ETSI Deliverable:TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL

Country of registration: US
Application no.: PCT/IB00/00962
ETSI Deliverable: TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A NEW METHOD FOR REPRESENTING ERRONEUOUS BLOCKS IN ARQ PROTOCOL

Country of registration: PCT

Application no.: PCT/IB00/00962
ETSI Deliverable: TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN IMPROVED SPECTRAL PARAMETER SUBSTITUTION FOR THE SPEECH FRAME ERROR

CONCEALMENT IN A SPEECH DECODER

Country of registration: PCT

Application no.: PCT/IB01/01950 **ETSI Deliverable:** TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: TEMPORARY INDENTITY CODING

Country of registration: FI
Application no.: 982166
Patent no.: 106288
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration: PCT
Application no.: PCT/B01/00337
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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR USING EFFECTIVELY THE BROADCAST CAPACITY IN A CELL

Country of registration: CN

Application no.: 99100902.9 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS

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**

UE OUT-OF-SYNC HANDLING PROCEDURE IN UTRA TDD Title:

Country of registration: US Application no.: 09/513417

TS 25.224, TS 25.331 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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

Project: **UMTS**

INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP Title:

GENERATION METHOD

Country of registration:

Application no.: 20000463

ETSI Deliverable: TS 25.215, 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: INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP

GENERATION METHOD

Country of registration: US

Application no.: 09/792455

ETSI Deliverable: TS 25.215. TS 25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: HK

Application no.: 99102513.6 **ETSI Deliverable:** TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: ALPHA TAGGING AND TYPE INDICATION OF EMERGENCY CALL NUMBERS

Country of registration: US

Application no.: 09/803677, 60/188649

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration: FI
Application no.: 964308
Patent no.: 104142
ETSI Deliverable: TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

Country of registration: FI
Application no.: 20000701
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

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

Country of registration: JP

Application no.: 2001-48917 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

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

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

Title: SERVICE SPECIFIC RRC CONNECTION RE-ESTABLISHMENT TIMER

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,

Project:

Title: METHOD FOR RADIO RESOURCE CONTROL

Country of registration:

Application no.: PI9705138-1 **ETSI Deliverable:** TS 25.211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

METHOD FOR RADIO RESOURCE CONTROL Title:

Country of registration: CN

97122743.8 Application no.: **ETSI Deliverable:** TS 25.211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project:

Title: ENHANCEMENTS IN RLC DISCARD TO SUPPORT VIRTUAL PDCP SEQUENCE NUMBERS

Country of registration: FΙ Application no.:

20000315 TS 25.323, TS 25.322

ETSI Deliverable:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: INTERFERENCE REDUCTION IN UMTS FDD COMPRESSED MODE USING OPTIMIZED GAP

GENERATION METHOD

Country of registration: PCT

Application no.: PCT/FI01/00196 **ETSI Deliverable:** TS 25.215, TS 25.212

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

> ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

INTELLIGENT INTERNET ROUTER Title:

Country of registration: CA

Application no.: PCT/EP00/03478 **ETSI Deliverable:** TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR Title:

COMMUNICATIONS SYSTEM

Country of registration: US Application no.: 619458 Patent no.: 5850607

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration: **EPO**

98901995.5

Application no.:

ETSI Deliverable: GSM 05.09; GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration:

Application no.: 970554

ETSI Deliverable: GSM 05.09; GSM 05.03

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.

Company name: Nokia Corporation

Project: **UMTS**

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

Country of registration: Application no.:

JΡ 10-533811

ETSI Deliverable:

GSM 05.09; GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration:

Application no.: 99-7006666

ETSI Deliverable: GSM 05.09; GSM 05.03

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: Nokia Corporation

Project: **UMTS**

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

Country of registration: US

Application no.: 09/019656

GSM 05.09; GSM 05.03 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration: ΑIJ Application no.: 58658/98

Patent no.: 739176 **ETSI Deliverable:** GSM 05.09; GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

INTELLIGENT INTERNET ROUTER Title:

Country of registration: BR

Application no.: PI 0013930-0 **ETSI Deliverable:** TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

UMTS Project:

Title: BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: US

Application no.: 10/021748 TS 45.003 **ETSI Deliverable:**

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: CN

Application no.: PCT/EP00/03478 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: EPO Application no.: 00922643.2 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: JP

Application no.: 2001-524310 ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: US
Application no.: 10/015134
ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: INTELLIGENT INTERNET ROUTER

Country of registration: PCT

Application no.: PCT/EP00/03478
ETSI Deliverable: TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: EPO
Application no.: 00942328.6
ETSI Deliverable: TS 25.331 TS 24.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR

DETECTION

Country of registration: PCT
Application no.: PCT/FI98/00079
ETSI Deliverable: GSM 05.09; GSM 05.03

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM

Country of registration: EPO **Application no.:** 99915770.4

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN IMPROVED LTP-PARAMETER SUBSTITUTION FOR THE FRAME ERROR CONCEALMENT IN A

SPEECH DECODER

Country of registration: PCT

Application no.: PCT/IB01/02021 ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: EPO
Application no.: 93920866.6
Patent no.: 0720805
Countries applicable: DE, FR, GB, HK
ETSI Deliverable: TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

Country of registration: INTERFACE EPO 99949032.9

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: FI
Application no.: 982222
Patent no.: 105304

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR

INTERFACE

Country of registration: US **Application no.:** US 09/807471

ETSI Deliverable: TS 29.007, TS 27.001

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

HIGH SPEED CIRCUIT SWITCHED DATA MS TO MS CALLS RSOURCE OPTIMIZATION ON THE AIR Title:

INTERFACE

Country of registration:

PCT Application no.: PCT/FI99/00840 ETSI Deliverable: TS 29.007, TS 27.001

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

AN INFORMATION CODING METHOD AND DEVICES UTILIZING ERROR CORRECTION AND ERROR Title:

DETECTION

Country of registration:

CN 98802418.7

Application no.: ETSI Deliverable:

GSM 05.09; GSM 05.03

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CN

Application no.: 99805545.X

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: US

Application no.: 10/019745

ETSI Deliverable: TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM

Country of registration: FΙ Application no.: 980828 Patent no.: 107504

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM

Country of registration: JΡ Application no.: 2000-544143

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: LIMTS

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: US Application no.:

09/647784

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: HIGH FREQUENCY ENHANCEMENT LAYER CODING IN WIDE BAND SPEECH CODEC

Country of registration:

Application no.: 09/691440

ETSI Deliverable: TS 26.190, TS 26.192

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

HIGH FREQUENCY ENHANCEMENT LAYER CODING IN WIDE BAND SPEECH CODEC Title:

Country of registration: PCT

Application no.: PCT/IB01/01947 TS 26.190, TS 26.192 **ETSI Deliverable:**

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

BIT ORDERING ACCORDING TO CHANNEL BIT ERROR RATE IN PUNCTURED CONVOLUTIONAL Title:

CODES FOR SPEECH TRAFFIC CHANNELS

Country of registration: FΙ

Application no.: 20002399 **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

IMPLEMENTATION OF MULTIPLE SIMULTANEOUS CALLS IN A MOBILE COMMUNICATION SYSTEM Title:

Country of registration: CA Application no.: 2325693

ETSI Deliverable: TS 22.135, TS 22.004, TS 23.135, TS 24.135, TS 25.301, TS 25.321

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: **EPO** Application no.: 00950589.2 ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

ACTIVATING A PDP CONTEXT FOR A CALL ACCORDING TO THE CAPABILITY INFORMATION Title:

Country of registration: PCT Application no.: PCT/EP00/02360

ETSI Deliverable: TS 23.228

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

TRANSFERRING OF GPS DATA IN MOBILE NETWORK Title:

Country of registration: PCT

PCT/EP00/13120 Application no.: **ETSI Deliverable:** TS 25.433 TS 23.002

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: CELL LOAD INFORMATION BETWEEN RNC IN WCDMA

Country of registration: **EPO** Application no.: 98962419.2 **ETSI Deliverable:** TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CELL LOAD INFORMATION BETWEEN RNC IN WCDMA Title:

Country of registration: US Application no.: 09/876562 **ETSI Deliverable:** TS 25.423

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

Title: CELL LOAD INFORMATION BETWEEN RNC IN WCDMA

Country of registration: PCT

PCT/EP98/07932 Application no.: ETSI Deliverable: TS 25.423

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM Title:

Country of registration: BR

Application no.: PI0012870-8 **ETSI Deliverable:** TS 25.303

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: GB Application no.: 9915301.7

ETSI Deliverable: TS 25.331 TS 24.008

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: CN

Application no.: 00811001.8 **ETSI** Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM Country of registration: NO Application no.: 983605 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: JP

Application no.: 2001-513926 ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: KR

Application no.: 7001348/2002 ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration:USApplication no.:09/364523ETSI Deliverable:TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: PCT

Application no.: PCT/US00/20074 ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}.$

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: GB
Application no.: 0020442.0
ETSI Deliverable: TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: PCT

Application no.: PCT/IB01/01757 ETSI Deliverable: TS 25.322

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SMOOTH HANDOFF BETWEEN FDD AND TDD SYSTEM

Country of registration: CA

Application no.: PCT/US00/20074
ETSI Deliverable: TS 25.303

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: PCT

Application no.: PCT/EP99/07596
ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: NO **Application no.:** 961193

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: PCT

Application no.: PCT/IB00/00989 TS 25.331 TS 24.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: AU
Application no.: 63372/99
ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: CA

Application no.: PCT/EP99/07596 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: EPO
Application no.: 99950691.8
ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: JP

 Application no.:
 2001-530235

 ETSI Deliverable:
 TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: PCT

Application no.: PCT/FI97/00064
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: US

Application no.: PCT/EP99/07596 ETSI Deliverable: TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

Country of registration: US
Application no.: 09/117923
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD TO FIND THE SGSN RESPONSIBLE FOR A ROUTING AREA

Country of registration: PCT

Application no.: PCT/EP01/00615 TS 23.236

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: AU
Application no.: 16041/97
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

Country of registration: CN
Application no.: 97192111.3

Application no.: 97192111.3 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: EPO
Application no.: 97902378.5
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

796

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

SYSTEM

Country of registration: FI
Application no.: 960541
Patent no.: 102447
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A CONNECTION ESTABLISHMENT METHOD, A SUBSCRIBER TERMINAL UNIT AND A RADIO

Country of registration: JP
Application no.: 9-528190
ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: UMTS SERVICE MANAGEMENT IN CHANGING NETWORK ARCHITECTURE

Country of registration: JP

 Application no.:
 2001-508184

 ETSI Deliverable:
 TS 25.331 TS 24.008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SYNCHRONIZATION OF PROTOCOL REMAPPING

Country of registration: KR

Application no.:7004651/2002ETSI Deliverable:TS 24.022

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: JP

Application no.: 2000-604622 ETSI Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD AND APPARATUS FOR SYNCHRONIZING SPEECH FRAMES BETWEEN BASE STATIONS

AND A MOBILE SWITCHING CENTER DURING SOFT HAND-OFF IN A CDMA CELLULAR

TELECOMMUNICATIONS SYSTEM

Country of registration: AU
Application no.: 48211/93
Patent no.: 686111

ETSI Deliverable: TS 25.402, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: USING PERIODIC ACKNOWLEDGEMENTS AND ADAPTIVE CODING FOR MAINTAINING

SYNCHRONISATION IN ERROR AND LOSS-PRONE ENVIRONMENTS

Country of registration: US

Application no.: 09/536639, 60/159360

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

USING PERIODIC ACKNOWLEDGEMENTS AND ADAPTIVE CODING FOR MAINTAINING Title:

SYNCHRONISATION IN ERROR AND LOSS-PRONE ENVIRONMENTS

Country of registration: PCT

Application no.:

PCT/US00/28326

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: BR

Application no.: PI008883-8 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project: **UMTS**

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: CA

PCT/FI00/00186 Application no.: ETSI Deliverable: TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: CN

Application no.: 00804746.4 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: **EPO** Application no.: 00920970.1 **ETSI Deliverable:** TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: FΙ 990527 Application no.: **ETSI** Deliverable: TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL Title:

Country of registration: CN 00807565.4 Application no.: **ETSI Deliverable:** TS 25.214

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: RNTI ALLOCATION AND SIGNALLING METHODS

Country of registration: KR

Application no.: 7011440/2001 **ETSI Deliverable:** TS 25.331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: US Application no.: 09/914308 **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Nokia Corporation Company name:

Project:

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

Country of registration: ΑU Application no.: 48210/93 Patent no.: 684719

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: UMTS

Title: METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR

COMMUNICATIONS SYSTEM

EPO Country of registration: Application no.: 93920865.8

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR Title:

COMMUNICATIONS SYSTEM

Country of registration:

Application no.: 961315

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: GB

Application no.: GB 9908518.5 ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

RNTI ALLOCATION AND SIGNALLING METHODS Title:

Country of registration: EPO 00910895.2 Application no.: **ETSI Deliverable:** TS 25.331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project:

Title: USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS

Country of registration: PCT

Application no.: PCT/FI01/00342 **ETSI Deliverable:** TS 25.323

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS Title:

Country of registration: CN Application no.: 99810886.3 **ETSI Deliverable:** 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

UMTS Project:

METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN Title:

MOBILE CELLULAR NETWORKS

EPO Country of registration: 99938242.7 Application no.: **ETSI Deliverable:** TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS

Country of registration: GB

Application no.: 9815886.8 **ETSI Deliverable:** TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN Title:

MOBILE CELLULAR NETWORKS

Country of registration: JΡ

Application no.: 561789/2000 **ETSI Deliverable:** TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN Title:

MOBILE CELLULAR NETWORKS

Country of registration: US Application no.: 09/765144 **ETSI Deliverable:** TS 23.060

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

UMTS Project:

Title: METHOD OF MULTICASTING DATA PACKETS BASED ON PACKET MULTICASTING ZONES IN

MOBILE CELLULAR NETWORKS

Country of registration: **PCT**

Application no.: PCT/EP99/04979 **ETSI Deliverable:** TS 23.060

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: JP

Application no.: 2000-611398
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS

Country of registration:USApplication no.:09/827185ETSI Deliverable:TS 25.323

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: UTRA FDD DSCH POWER CONTROL IN SOFT HANDOVER

Country of registration: US Application no.: 09/608642 ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMT

Title: SERVICE & OTHER INFORMATION TRANSFER FROM E.G. VISITED NETWORK TO HOME

NETWORK IN R00 REFERENCE ARCHITECTURE

Country of registration: PCT

Application no.: PCT/EP00/07779 ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN EFFICIENT HANDOFF PROCEDURE FOR HEADER COMPRESSION

Country of registration: US
Application no.: 09/522497
Patent no.: 6300887
ETSI Deliverable: 25.860

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN EFFICIENT HANDOFF PROCEDURE FOR HEADER COMPRESSION

Country of registration: PCT

Application no.: PCT/US00/30826

ETSI Deliverable: 25.860

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMT

Title: UMTS AUTHENTICATION AS THE AUTHENTICATION MECHANISM IN THE IP MULTIMEDIA

SUBSYSTEM

Country of registration: US
Application no.: 09/630425
ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: UMTS AUTHENTICATION AS THE AUTHENTICATION MECHANISM IN THE IP MULTIMEDIA

SUBSYSTEM

Country of registration: PCT

Application no.: PCT/US01/23764
ETSI Deliverable: TS 23.228

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: BR
Application no.: PI 0009787-0
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: USAGE OF VARIABLE LENGTH SEQUENCE NUMBERS TO SUPPORT INTER-SYSTEM HANDOVERS

Country of registration: FI
Application no.: 20000836
ETSI Deliverable: TS 25.323

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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.:
 PI9909387-1

 ETSI Deliverable:
 TS 25.214, TS 25.433

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: AU
Application no.: 28959/97
Patent no.: 738573
ETSI Deliverable: GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: CN
Application no.: 97182167.4
ETSI Deliverable: GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

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: GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

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:** GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

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: GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A

RADIO NETWORK INCORPORATING THE SAME

Country of registration: US
Application no.: 09/423373
ETSI Deliverable: GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CLOSED-LOOP POWER CONTROL ALGORITHMS FOR A WCDMA SYSTEM WITH SOFT SYMBOL

Country of registration: US
Application no.: 09/977269
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: POWER BALANCING BETWEEN DOWNLINK DHO BRANCHES IN A CDMA SYSTEM

Country of registration: Application no.:

US 09/647587

ETSI Deliverable: TS 25.214. TS 25.433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: KR

Application no.: KR 99-7009285 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration: CN

Application no.: 99804689.2

ETSI Deliverable: TS 25.214, TS 25.433

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project:

Title: Power balancing between downlink DHO branches in a CDMA system

Country of registration: Application no.: 980780

ETSI Deliverable:

TS 25.214, TS 25.433

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Power balancing between downlink DHO branches in a CDMA system Title:

Country of registration: JΡ

2000-542942 Application no.: ETSI Deliverable: TS 25.214, TS 25.433

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Power balancing between downlink DHO branches in a CDMA system Title:

Country of registration: US

Application no.: PCT/FI99/00257 ETSI Deliverable: TS 25.214, TS 25.433

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A method for controlling connections to a mobile station Title:

Country of registration: Application no.: 980736, 20010001

ETSI Deliverable: 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**

METHOD AND APPARATUS FOR PROVIDING CONTROL HANDOFF IN A CELLULAR Title:

COMMUNICATIONS SYSTEM

JΡ Country of registration: 7-509577 Application no.: Patent no.: 3251293

ETSI Deliverable: TS 25.401, TR 25.931, TR 25.990 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A METHOD FOR DETERMINING TIMING DIFFERENCES BETWEEN RADIO TRANSMITTERS AND A Title:

RADIO NETWORK INCORPORATING THE SAME

Country of registration: **PCT**

Application no.: PCT/EP97/02400 **ETSI Deliverable:** GSM 03.71

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: GB

 Application no.:
 9807608.6

 Patent no.:
 2329803

 ETSI Deliverable:
 TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: AN IMPROVED SPECTRAL PARAMETER SUBSTITUTION FOR THE SPEECH FRAME ERROR

CONCEALMENT IN A SPEECH DECODER

Country of registration: US

Application no.: 09/918300, 60/242498

ETSI Deliverable: TS 26.191

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: UTRA FDD DSCH POWER CONTROL IN SOFT HANDOVER

Country of registration: PCT

Application no.: PCT/IB01/00893
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CPCH CHANNEL ASSIGNMENT METHOD

Country of registration: US **Application no.:** 09/790485

ETSI Deliverable: TS 25.214
Notes: The SIGNA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CPCH CHANNEL ASSIGNMENT METHOD

Country of registration: PCT

Application no.: PCT/IB01/00248 ETSI Deliverable: TS 25.214

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: CN
Application no.: 98106901
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: DE Application no.: 19815597.2 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: CH
Application no.: 1846/99
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration:FRApplication no.:9804479Patent no.:9804479ETSI Deliverable:TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: ES Application no.: 9950051 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: IN

Application no.: 759/MAS/98 ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration:

 Application no.:
 MI98A000766

 Patent no.:
 1299063

 ETSI Deliverable:
 TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: JP

Application no.: 10-098937 **ETSI Deliverable:** TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: US

Application no.: 09/057680, 09/73028

ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: PCT

Application no.: PCT/Fl98/00237
Countries applicable: AU, CH, ES, KR
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: AU
Application no.: 64040/98
Patent no.: 733218
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A METHOD FOR CONTROLLING CONNECTIONS TO A MOBILE STATION

Country of registration: EPO 01130814.5 ETSI Deliverable: TS 25.212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: METHOD FOR DECREASING THE FRAME ERROR RATE IN DATA TRANSMISSION IN THE FORM

OF DATA FRAMES

Country of registration: FI
Application no.: 971484
ETSI Deliverable: TS 45.003

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation
Project: UMTS
Title: SPEECH CODING
Country of registration: EPO

Application no.: 99903710.4

Countries applicable: DE, ES, FR, GB, IT, NL, SE ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: FI
Application no.: 923669
Patent no.: 91701

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: 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

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: AU
Application no.: 76588/94
Patent no.: 665454

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.

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A NOVEL METHOD FOR 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: UMTS

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration:USApplication no.:09/797115ETSI Deliverable:TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: A NOVEL METHOD FOR GENERATING WIDEBAND LP FILTER FROM NARROWBAND LP FILTER

Country of registration: FI
Application no.: 20000524
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: **UMTS**

Title: SPEECH CODING Country of registration: PCT Application no.: PCT/FI99/00112 **ETSI Deliverable:** TS 26.173, TS 26.190

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

SPEECH CODING Title:

Country of registration: US

Application no.: 09/263439

ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

SPEECH CODING Title:

Country of registration: KR

Application no.: 2000-7008992

ETSI Deliverable: TS 26.173, 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**

SPEECH CODING Title: Country of registration: JP Application no.: 2000-536069

ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: SPEECH CODING

Country of registration: IN

Application no.: PCT/FI99/00112 **ETSI Deliverable:** TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: JP.

10-515313

Application no

ETSI Deliverable: TR 22.925, TR 23.907

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: SPEECH CODING

Country of registration: FI 980532

ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

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: SPEECH CODING

Country of registration: CN

Application no.: 99803763.X

ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation
Project: UMTS
Title: SPEECH CODING
Country of registration: BR

Country of registration: BR
Application no.: P19907665-9

ETSI Deliverable: TS 26.173, TS 26.190

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: PCT

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: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration:USApplication no.:09/903863ETSI Deliverable:TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: 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,

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: FI
Application no.: 990102
ETSI Deliverable: TS 32.015

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: EPO 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: UMTS

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: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: CA

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: UMTS

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: BR

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,

Project:

Title: CONTROLLED DATA NETWORK ERROR RECOVERY

Country of registration: ΑU Application no.: 22965/00 **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: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: PCT

Application no.: PCT/FI99/00894 **ETSI Deliverable:** TS 23.271

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**

GPRS LCS GENERAL ARCHITECTURE Title:

Country of registration: US Application no.: 09/830816 ETSI Deliverable: TS 23.271

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** SPEECH CODING Title: Country of registration: HK 01105589.5 Application no.:

ETSI Deliverable: TS 26.173, 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**

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: FΙ Application no.: 980650 Patent no.: 107201 **ETSI Deliverable:** TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

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:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

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

UMTS Project:

Title: MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: CN

Application no.: 97198217.1

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: AU Application no.: 43868/97 723472 Patent no.:

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**

SIGNAL CODING Title:

Country of registration: PCT

PCT/FI99/00133 Application no.: Patent no.: WO99/44294 **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: US

Application no.: 09/255894 **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

UMTS Project: Title:

SIGNAL CODING

Country of registration: JΡ

Application no.: 2000533945 **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,

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: SIGNAL CODING

 Country of registration:
 FI

 Application no.:
 980431

 Patent no.:
 107665

 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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: PCT

Application no.: PCT/Fl99/00224 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: HANDOVER BETWEEN MOBILE COMMUNICATION NETWORKS

Country of registration: FI
Application no.: 981979
Patent no.: 108200
ETSI Deliverable: 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,

Project:

Title: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration:

Application no.: 6-505939

ETSI Deliverable: TS 25.331, TS 25.321, TS 25.211

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: US Application no.: 08/632400 Patent no.: 5832381 **ETSI Deliverable:** TS 23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: **EPO** Application no.: 99954027.1 **ETSI Deliverable:** TS 23 271

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: KÄYTTÄJÄDATAN SIIRTÄMINEN PAKETTIMUODOSSA

Country of registration: **PCT**

Application no.: PCT/FI93/00321 Patent no.: WO9405095

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**

SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA Title:

Country of registration: ΑU 78574/94 Application no.: 684842 Patent no.: **ETSI Deliverable:** TS 23.121

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: CN Application no.: 94193864.6 **ETSI Deliverable:** TS 23.121

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: EPO
Application no.: 94929571.1
Countries applicable: HK
ETSI Deliverable: TS 23.121

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: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: NO
Application no.: 19995709
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: JP
Application no.: 7-511375
ETSI Deliverable: TS 23.121

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: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: JP
Application no.: 11-550090
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: PCT

Application no.: PCT/FI94/00469 TS 23.121

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: 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: UMTS

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: AU
Application no.: 30368/99
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: CN
Application no.: 99800362.X
ETSI Deliverable: TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration:EPOApplication no.:99911826.8ETSI Deliverable:TS 25.212

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy.

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: 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: SELEKTIIVINEN HIERARKIAAN PERUSTUVA SIJAINNINPÄIVITYS MOBIILIVERKOSSA

Country of registration: FI
Application no.: 934629
Patent no.: 97932
ETSI Deliverable: TS 23.121

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: Management of packet switched connections in a communication network

Country of registration: US Application no.: 09/

09/510893

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: **GPRS LCS GENERAL ARCHITECTURE**

Country of registration: JP

Application no.: 2000-579018 **ETSI Deliverable:** TS 23.271

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**

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, GSM 06.93

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: 09/387369

ETSI Deliverable: TS 45.003, GSM 06.93

US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes: ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR

2001-7002028 Application no.: **ETSI Deliverable:** TS 45.003, GSM 06.93

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: 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, GSM 06.93

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: IT

Notes:

Application no.: MI99A001858

ETSI Deliverable: TS 45.003, GSM 06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences

under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

GB

Country of registration:

Application no.: 9920153.5

ETSI Deliverable:

TS 45.003, GSM 06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: Application no.:

9910952

FR

FI

ETSI Deliverable:

TS 45.003, GSM 06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration:

Application no.: 981869 105635 Patent no.:

ETSI Deliverable: TS 45.003, GSM 06.93

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.

Nokia Corporation Company name: **UMTS**

Project: Title:

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: DE

Application no.: 19941331.2 **ETSI Deliverable:**

Notes:

TS 45.003, GSM 06.93

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN Title:

DATA FRAMES

Country of registration:

CN

Application no.: **ETSI Deliverable:** 99810506.6

TS 45.003, GSM 06.93

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: **Nokia Corporation**

Project: **UMTS**

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

Country of registration: BR

Application no.: PI9912994-9

TS 45.003, GSM 06.93 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,

Project:

Title: METHOD FOR TRANSMITTING BACKROUND NOISE INFORMATION IN DATA TRANSMISSION IN

DATA FRAMES

ΑU

Country of registration:

Application no.: 54251/99

ETSI Deliverable:

TS 45.003, GSM 06.93

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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: BR

Application no.: PI9705747.9

ETSI Deliverable: TS 26.193, TS 26.192

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

UMTS Project:

Title: Speech coding

Country of registration: US Application no.: 09/073697 Patent no.: 6199035

ETSI Deliverable: TS 26.190, GSM 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: AU Application no.: 64032/98

ETSI Deliverable: TS 26.190, GSM 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: CN Application no.: 98804901.5

ETSI Deliverable: TS 26.190, GSM 06.90

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: **UMTS** Title: Speech coding EPO. Country of registration: 98104785.5 Application no.:

ETSI Deliverable: TS 26.190, GSM 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS Title: Speech coding

Country of registration: FΪ Application no.: 980502

ETSI Deliverable:

TS 26.190, GSM 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: IN

Application no.: 876/MAS/98

ETSI Deliverable: TS 26.190, GSM 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**

Management of packet switched connections in a communication network Title:

Country of registration: **PCT**

Application no.: PCT/FI99/00564

ETSI Deliverable: TS 23.121, TS 23.060, TS 25.413, TS 24.008

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

Speech coding Title: Country of registration: KR 99-7009481 Application no.:

ETSI Deliverable: TS 26.190, GSM 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: **PCT**

Application no.: PCT/FI98/00229 **ETSI Deliverable:** TS 26.190, GSM 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**

Management of packet switched connections in a communication network Title:

Country of registration: CA Application no.: 2301674

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,

Project:

Title: Management of packet switched connections in a communication network

Country of registration:

Application no.: 99801026.X

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**

Management of packet switched connections in a communication network Title:

Country of registration: EPO Application no.: 99932900.6

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**

Management of packet switched connections in a communication network Title:

Country of registration: FΙ Application no.: 981485 Patent no.: 106512

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:

Title: Management of packet switched connections in a communication network

Country of registration:

Application no.: 2000-557636

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: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: CN Application no.: 97126203.9

ETSI Deliverable: TS 26.193, TS 26.192

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

UMTS Project: Title: Speech coding Country of registration: JÈ

Application no.: 113808/1998

ETSI Deliverable: TS 26.190, GSM 06.90

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: PCT

Application no.: PCT/FI97/00298
ETSI Deliverable: GSM 03.81, GSM 09.02

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: SIGNAL CODING

Country of registration: AU
Application no.: 25240/99
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: GPRS LCS GENERAL ARCHITECTURE

Country of registration: CN
Application no.: 99812676.4
ETSI Deliverable: TS 23.271

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: SMS IN GPRS
Country of registration: ZA
Application no.: 98/2684

Patent no.: 98/2684

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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
Title: SMS IN GPRS
Country of registration: PCT

Application no.: PCT/FI98/00294

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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
Title: SMS IN GPRS
Country of registration: US

Application no.: 09/194652

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, 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,

Nokia Corporation Company name:

Project: UMTS Title: SMS IN GPRS

Country of registration: TW Application no.: 86110727 Patent no.: 098463

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project: Title: SMS IN GPRS

Country of registration: TΗ Application no.: 038940

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project: SMS IN GPRS Title: Country of registration: SG

Application no.: 9806032-0 Patent no.: 60753

TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002 **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 SMS IN GPRS Title: Country of registration: MY Application no.: PI9801435

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS** SMS IN GPRS Title: JP

Country of registration: Application no.: 10-541201

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: **UMTS** SMS IN GPRS Title:

Country of registration: IN

708/MAS/98 Application no.:

ETSI Deliverable:

TS 23.060, TS 23.040, GSM 03.60, 03.40, 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,

Project: UMTS Title: SMS IN GPRS

Country of registration: FΙ Application no.: 971381 Patent no.: 105873

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project: Title: SMS IN GPRS Country of registration: **EPO** Application no.: 98912536.4 Countries applicable: HK

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration: AR Application no.: 970105360 **ETSI Deliverable:** TS 26.193, TS 26.192

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

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: Application no.: 962128 Patent no.: 103170

ETSI Deliverable: GSM 03.81, GSM 09.02

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

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration: **EPO** Application no.: 97309213.3

ETSI Deliverable: TS 26.193, TS 26.192

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**

METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION Title:

Country of registration: JP Application no.: 9-313957

ETSI Deliverable: TS 26.193, TS 26.192

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.

Project:

Title: METHODS FOR GENERATING COMFORT NOISE DURING DISCONTINUOUS TRANSMISSION

Country of registration:

Application no.: 09/965303, 09/371332, 031047; 031321

Patent no.: 5960389

ETSI Deliverable: TS 26.193, TS 26.192

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

UMTS Project:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: ΑU Application no.: 29001/97 Patent no.: 718787

ETSI Deliverable: GSM 03.81, GSM 09.02

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**

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: CA Application no.: 2227061 **ETSI Deliverable:**

GSM 03.81, GSM 09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS** SMS IN GPRS Title: Country of registration: CN

Application no.: 98800595 6

ETSI Deliverable: TS 23.060, TS 23.040, GSM 03.60, 03.40, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA Title:

Country of registration: **EPO** Application no.: 97923109.9 ETSI Deliverable:

GSM 03.81. GSM 09.02

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: **UMTS** SMS IN GPRS Title: Country of registration: CA Application no.: 2257189

ETSI Deliverable:

TS 23.060, TS 23.040, GSM 03.60, 03.40, 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,

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration:

Application no.: 1263/MAS/97

ETSI Deliverable: GSM 03.81, GSM 09.02

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: GSM 03.81, GSM 09.02

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: GSM 03.81, GSM 09.02

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: TH Application no.: 037900

ETSI Deliverable: GSM 03.81, GSM 09.02

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 $\ensuremath{\mathsf{ESSENTIAL}}.$

Company name: Nokia Corporation

Project: UMTS

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: US

Application no.: 08/983318, CPA08/983318 **ETSI Deliverable:** GSM 03.81, GSM 09.02

ETSI Deliverable: GSM 03.81, GSM 09.02 Notes: The SIGNATORY has not

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI
Application no.: 982331
ETSI Deliverable: TS 23.271
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:

Title: A TILAAJAN IDENTITEETIN SIIRTO B TILAAJALLE TÄMÄN VAELTAESSA ULKOMAILLA

Country of registration: CN

Application no.: 97190580.0

ETSI Deliverable: GSM 03.81, GSM 09.02 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: ENSURING QUALITY OF INFORMATION TRANSFER IN TELECOMMUNICATION NETWORK

Country of registration: US Application no.: 09/628868 **ETSI Deliverable:** 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**

TELECOMMUNICATION NETWORK Title:

Country of registration: CN

Application no.: PCT/EP99/04520 ETSI Deliverable: TS 23.002

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**

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration:

Application no.: 09/679791

ETSI Deliverable: TS 25.214, TS 25.331

US

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

Application no.: 2000-305357 ETSI Deliverable: TS 25.214. TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project:

MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI Title:

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: FΙ Application no.: 19992174 Patent no.: 107671

TS 25.214, 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,

Project: UMTS

Title: DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS

Country of registration: PCT

Application no.: PCT/FI99/00925
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: US
Application no.: 09/831013
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: JP

Application no.: 2000-581832 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: 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,

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

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,

Project:

Title: DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS

Country of registration: CA Application no.: 2348457 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**

DYNAMIC CONTROL OF SERVICE BIT RATE COMBINATIONS Title:

Country of registration: BR

Application no.: PI9915079-4 **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**

CONTROLLING OF UE BEHAVIOUR IN REJECTION OF RRC CONNECTION SETUP ATTEMPT Title:

Country of registration: **PCT**

Application no.: PCT/FI01/00038 ETSI Deliverable: TS 25.331

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

Project: **UMTS**

RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS Title:

Country of registration: Application no.:

19992369

FΙ

ETSI Deliverable: TS 25.301, 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**

RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION Title:

Country of registration: **PCT**

Application no.: PCT/EP00/09100

TS 25.401, TS 25.331, TS 25.413, TS 25.301 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: TS 23 002 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: EARLY INTEGRITY CHECK

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,

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: CN

Application no.: PCT/Fl00/00421 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

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

Notes:

Title: EARLY INTEGRITY CHECK

Country of registration: US
Application no.: US
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 ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: CONTROLLING OF UE BEHAVIOUR IN REJECTION OF RRC CONNECTION SETUP ATTEMPT

Country of registration:FIApplication no.:20000090ETSI 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: RELOCATION OF RRC PROTOCOL IN SRNS RELOCATION

Country of registration: GB Application no.: 9921706.9

ETSI Deliverable: TS 25.401, TS 25.331, TS 25.413, TS 25.301

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,

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:

Title: USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW

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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: USING SPARSE FEEDBACK TO INCREASE BANDWIDTH EFFICIENCY IN HIGH DELAY, LOW

BANDWIDTH ENVIRONMENT

Country of registration:

Application no.:

PCT/US00/29846

PCT

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: LIMTS

Title: AN APPROACH FOR CELL-ID DETERMINATION IN A WCDMA SYSTEM

Country of registration: GB Application no.: 0000528.0 TS 25.305 **ETSI Deliverable:**

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: 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**

SECURITY INTERWORKING BETWEEN RELEASE 98 AND 99 MSC/VLRS FOR ROAMING USIMS Title:

Country of registration: **PCT**

Application no.: PCT/EP99/08422 ETSI Deliverable: TS 33.102, TS 29.002

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS

Country of registration: JP

Application no.: 2000-321477

ETSI Deliverable: TS 25.301, 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: EARLY INTEGRITY CHECK

Country of registration: PCT

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

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,

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: TS 25.305

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: US

Application no.: 09/571624 **ETSI Deliverable:** TS 25.305

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: CN DOMAIN SPECIFIC HFN

Country of registration: PCT

Application no.: PCT/FI01/00202
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: CN DOMAIN SPECIFIC HFN

Country of registration:

Application no.: 20000479, 20001052 **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**

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

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

JΡ Country of registration:

Application no.: 2000-562043 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**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: Ш 145606 Application no.:

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: GB Application no.: 0004178.0

ETSI Deliverable: TS 33.102, TS 25.331

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

INTEGRITY PARAMETERS FOR PARALLEL SIGNALLING RADIO BEARERS Title:

Country of registration: **EPO** 01953645.7 Application no.: 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,

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,

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: AU 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

Title: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

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

Title: MENETELMÄ JA JÄRJESTELY DIVERSITEETTIKERTOIMIEN MUUTOSTEN AJOITTAMISEKSI

SOLUKKORADIOJÄRJESTELMÄSSÄ

Country of registration: PCT

Application no.: PCT/Fl00/00863 ETSI Deliverable: PCT/Fl00/00863 TS 25.214, 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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: US
Application no.: 09/741135
ETSI Deliverable: TS 25.214

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

Project: UMTS

Title: RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS

Country of registration: US **Application no.:** 09/704205

ETSI Deliverable: TS 25.301, 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: RULES FOR USING MULTIPLE SIGNALLING RADIO BEARERS

Country of registration: PCT

 Application no.:
 PCT/FI00/00955

 ETSI Deliverable:
 TS 25.301, 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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: AU
Application no.: 25482/00
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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: CN
Application no.: 00800870.1
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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: EPO 00903687.2 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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration: JP

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,

Project: UMTS

Title: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration:NOApplication no.:20010290ETSI 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: PERIODIC CHECK OF TRANSMITTED DATA AMOUNT

Country of registration:

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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

Country of registration: PCT

Application no.: PCT/EP00/01127
ETSI Deliverable: TS 25.214

ETSI Deliverable: TS 25.214
Notes: The SIGNATORY has not

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: BR
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/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,

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

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/EP00/13044
ETSI Deliverable: TS 25.305

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: UNIFIED TX DIVERSIT MODE FOR FDD/WCDMA

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

Title: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: PCT

Application no.: PCT/Fl99/00868 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: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: US
Application no.: 09/762696

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: NO Application no.: 20010732

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,

Project:

Title: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: JP

Application no.: 2000-565689

TS 25.211, TS 25.212 **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**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: 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**

SOFT COMBINING METHOD FOR CDMA PACKET DATA Title:

Country of registration: CN Application no.: 99809669.5 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**

Transportation of QOS mapping information Title:

Country of registration:

PCT PCT/FI00/00003

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**

GUARANTEED SERVICE SELECTION Title:

Country of registration: ZΑ Application no.: 99/0213 Patent no.: 99/0213

ETSI Deliverable: TS 23.060, TS 29.061

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: **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: 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: **UMTS**

GUARANTEED SERVICE SELECTION Title:

Country of registration: Application no.:

JΡ 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**

GUARANTEED SERVICE SELECTION Title:

Country of registration: FΙ Application no.: 980062 Patent no.: 106831

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**

Title: A NEW PROCEDURE TO RELEASE RADIO BEARER IN UMTS

PCT Country of registration:

Application no.: PCT/EP00/04231 **ETSI Deliverable:** TS 25.413, TS 23.060

Notes: The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

Title: SOFT COMBINING METHOD FOR CDMA PACKET DATA

Country of registration: PCT

Application no.: PCT/FI99/00670 **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

UMTS Project:

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,

Project: UMTS

Title: **GUARANTEED SERVICE SELECTION**

Country of registration: FPO Application no.: 99900478.1 Countries applicable: HΚ

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

UMTS Project:

Title: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: US Application no.: 09/830028 **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

UMTS Project:

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

Country of registration: JΡ

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:

Title: TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ

Country of registration: FΙ Application no.: 982283 Patent no.: 107109 **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: **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:

TANDEM FREE-TOIMINTO WCDMA-JÄRJESTELMÄSSÄ Title:

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,

Project: UMTS

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration: US

Application no.: 851368, 09/255251, 09/255228, 08/851368

Patent no.: 6094426, 6091717

ETSI Deliverable: TS 25.33

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: 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: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration: JP

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,

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: EPO
Application no.: 98303427.3
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 SCHEDULING PACKET DATA TRANSMISSION

Country of registration: CN
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

Title: A METHOD FOR SCHEDULING PACKET DATA TRANSMISSION

Country of registration: BR
Application no.: P19801

Application no.: P19801567-2 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,

Project:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

PCT 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

UMTS Project:

MENETELMÄ PALVELUTASON MÄÄRÄÄMISEKSI JA ILMOITTAMISEKSI Title:

MATKAPUHELINJÄRJESTELMÄSSÄ

Country of registration: US

Application no.: 09/269226

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: **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: UMTS

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

US

Country of registration:

09/326958 Application no.: **ETSI Deliverable:** TS 22.038

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: UMTS

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

BR Country of registration:

Application no.: PI0002069-9 **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.

Nokia Corporation Company name:

Project: UMTS

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

Country of registration: CN

Application no.: 00118184.X **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,

Project:

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

EPO Country of registration: Application no.: 00304490.6 **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

UMTS Project:

Title: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration: HK

Application no.: 01103525.7 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**

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

> **FEATURES** IN

Country of registration:

198/MAS/2000 Application no.: 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: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: **PCT**

Application no.: PCT/FI99/00770 **ETSI Deliverable:** TS 25.401

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: MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT

FEATURES

Country of registration: KR

Application no.: 2000-27490 **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.

Nokia Corporation Company name:

Project: **UMTS**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

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,

Project:

Title: VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA

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**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: **EPO** Application no.: 00901129.7 ETSI Deliverable: TS 29.007

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project: **UMTS**

VIDEO/AUDIOPUHELUSOVITUS MATKAVIESTINVERKSSA Title:

Country of registration: JP

Application no.: 2000-605413 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**

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration: CA Application no.: 2346128 **ETSI Deliverable:** TS 25.427

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

UMTS Project:

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 SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to 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

MOBILE EQUIPMENT AND NETWORKS PROVIDING SELECTION BETWEEN USIM/SIM DEPENDENT Title:

FEATURES

JР Country of registration:

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

UMTS Project:

Title: METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: FPO Application no.: 98954346.7 ETSI Deliverable: TS 25.427

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed Notes:

ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: GB Application no.: 99130924 **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**

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title:

Country of registration: US

Application no.: PCT/FI99/00770 ETSI Deliverable: TS 25.401

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**

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:** TS 25.427

Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name:

UMTS Project:

METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A Title:

CHANNEL-DEPENDENT STRUCTURE

Country of registration: JP

Application no.: 2000-575261 **ETSI Deliverable:** TS 25.427

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,

Project: UMTS

Title: METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: US

Application no.: 09/825898 ETSI Deliverable: TS 25.427

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: METHOD TO CARRY USER DATA BLOCKS BETWEEN RNC AND BS IN WCDMA SYSTEM WITH A

CHANNEL-DEPENDENT STRUCTURE

Country of registration: PCT

Application no.: PCT/EP98/06334 ETSI Deliverable: TS 25.427

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: ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM

Country of registration: EPO Application no.: 0094

00944072 8

ETSI Deliverable: GSM 04.04. TS

E 151 Deliverable:

GSM 04.04, TS 24.008, 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: ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM

Country of registration: PCT

Application no.: PCT/FI00/00595

ETSI Deliverable: GSM 04.04, TS 24.008, 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: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: CA
Application no.: 2345034
ETSI Deliverable: TS 25.401

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

Title: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: CN **Application no.:** 998

99811183.X

ETSI Deliverable: TS 25.401

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:

Title: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: Application no.: 99946201.3 **ETSI Deliverable:** TS 25.401

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**

ON APPLYING "FOLLOW ON PROCEED" INTO A NEW PROBLEM Title:

Country of registration: Application no.:

GSM 04.04, TS 24.008, TS 23.060

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**

GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER Title:

Country of registration: FΙ Application no.: 982029 Patent no.: 105438 TS 25.401 FTSI Deliverable: Notes:

The SIGNATORY has notified ETSI that it is the proprietor of the above listed IPRs and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL to the Standards listed above. The

SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy,

in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation

Project:

Title: GENERAL METHOD TO BIND UTRAN AND TRANSPORT CONTROL PLANES TOGETHER

Country of registration: JP.

Application no.: 2000-571686 **ETSI Deliverable:** TS 25.401

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: Nortel Northern Telecom Ltd.

Project: **UMTS** Title: W-CDMA

Country of registration:

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: Nortel Northern Telecom Ltd.

UMTS Project: TD-CDMA Title:

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: NTT Project: **UMTS** Title: W-CDMA Country of registration:

Notes: NTT DoCoMo is prepared to grant licenses to its essential IPRs 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: 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: 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: 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: 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.: 397.676
Patent 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.: 95103484,2
Countries applicable: DE, FR, GB

Notes: Pending for Japan, Korea and EPCDI.

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS
Title: CDMA receive

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 97-31736
Patent no.: Pending
Countries applicable: KR

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: 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:

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: JΡ

Pending for Japan, Korea, Canada and Great Britain. Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: CDMA receiver with weighted interference cancellation (UTRA)

Application no.: 883.959 Pending Patent no.: Countries applicable: US

Company name: OKI Electric Industry Co., Ltd.

Project: **UMTS**

Title: CDMA receiver with weighted interference cancellation (UTRA)

08-183593 Application no.: Patent no.: Pending Countries applicable: JP

Company name: OKI Electric Industry Co., Ltd.

Project: UMTS

Spreading code generator and CDMA communication system (UTRA) Title:

Application no.: 96111548,2 Pending Patent no.: Countries applicable: **EPO**

OKI Electric Industry Co., Ltd. Company name:

Project:

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 2.181.637 Patent no.: Pending Countries applicable:

OKI Electric Industry Co., Ltd. Company name:

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**

Spreading code generator and CDMA communication system (UTRA) Title:

Application no.: 96-30635 Pending Patent no.: Countries applicable: KR

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Spreading code generator and CDMA communication system (UTRA)

Application no.: 07-192062 Patent no.: Pending Countries applicable: JΡ

Company name: OKI Electric Industry Co., Ltd.

US

Project:

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: Application no.: 9609267,1 Patent no.: 5.689.815 Countries applicable: GB

Pending for Japan, Korea, Canada and Great Britain. Notes:

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

Pending for Japan, Korea, Canada and Great Britain. Notes:

Company name: OKI Electric Industry Co., Ltd.

Project:

Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)

Country of registration: Application no.: 96-14312 Patent no.: 5.689.815

Countries applicable: KR Pending for Japan, Korea, Canada and Great Britain. Notes:

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: Omnipoint Project: **UMTS**

Title: W-CDMA, TD/CDMA

Country of registration:

Omnipoint Corporation has declared that it holds IPRs which are Essential to the UMTS/UTRA proposals, Notes:

including, without limitation, W-CDMA and TD/CDMA. Omnipoint is prepared to grant licenses/crosslicenses 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** W-CDMA Title:

Country of registration:

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: **Philips UMTS**

Project: 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: Qualcomm Inc.

UMTS Project:

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications ΑU

Country of registration: Application no.:

78777/94

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 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: **UMTS**

Title: **Dual Distributed Antenna Systems**

Country of registration: DF Application no.: 94926602.7 0667068 Patent no.: 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

Project: **UMTS**

Title: **Dual Distributed Antenna Systems**

Country of registration: NL

Application no.: 94926602.7 Patent no.: 0667068 NL

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: Dual Distributed Antenna Systems

Country of registration: MC 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**

Dual Distributed Antenna Systems Title:

Country of registration: MX Application no.: 9406513

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: MY Application no.:

PI9402213

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: HU Application no.: 94926602.7 Patent no.: 0667068 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**

Dual Distributed Antenna Systems Title:

Country of registration: JΡ Application no.: 507763/95

Countries applicable: 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.

Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: IT Application no.: 94926602.7 Patent no.: 0667068

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: **Dual Distributed Antenna Systems**

Country of registration: IL 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: **Dual Distributed Antenna Systems**

Country of registration:

94926602.7 Application no.: Patent no.: 0667068 Countries applicable: ΙE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IN

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**

Apparatus And Method For Reducing Power Consumption In A Mobile Communications Receiver Title:

PCT Country of registration:

PCT/US93/01981 - WO 93/18596 Application no.:

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.

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.

Project: **UMTS**

Title: **Dual Distributed Antenna Systems** RU

Country of registration:

Application no.: 95109926.09

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: **Dual Distributed Antenna Systems**

Country of registration: FR

Application no.: 94956602.7 0667068 Patent 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**

Dual Distributed Antenna Systems Title:

Country of registration: FΙ 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

Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: **EPO** Application no.: 94926602.7 Patent no.: 0667068 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: Dual Distributed Antenna Systems

Country of registration: DK Application no.: 94926602.7 Patent no.: 0667068 DK 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

Dual Distributed Antenna Systems Title:

Country of registration: CL Application no.: 1209/94

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: **Dual Distributed Antenna Systems**

Country of registration: CA Application no.: 2147635

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 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.

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: 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

Qualcomm Inc. Company name:

Project: **UMTS**

Dual Distributed Antenna Systems Title:

Country of registration: AT 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

Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration: ΑU Application no.: 76390/94 Patent no.: 0667068 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: Dual Distributed Antenna Systems

MY

Country of registration: ID Application no.:

P941435

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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.

Project: LIMTS

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration:

PI 9200761 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 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.

UMTS Project:

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: Application no.: 921372

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: **EPO** Application no.:

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.

Project: **UMTS**

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: Application no.: 92104299

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: KR

Application no.: 709104/97

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: Linear Coverage Area Antenna System for A CDMA Communication System

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

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.: 97/4421

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU Application no.: 63295/96

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:

Dual Distributed Antenna System Title:

Country of registration: **PCT**

Application no.: PCT/US94/09657 - WO 95/06365

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.

Project: **UMTS**

Title: Linear Coverage Area Antenna System for A CDMA Communication System

Country of registration: **PCT**

Application no.: PCT/US96/09685

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.

Project: UMTS

Title: **Dual Distributed Antenna Systems**

Country of registration:

Application no.: 94926602.7

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

Project: UMTS

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

Title: Dual Distributed Antenna System

Country of registration: US
Application no.: 08/112,392
Patent no.: 5513176
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: Dual Distributed Antenna Systems

Country of registration: GB
Application no.: 94926602.7
Patent no.: 0667068
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: Dual Distributed Antenna Systems

Country of registration: TW **Application no.:** 83109657

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CH

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: Dual Distributed Antenna Systems

Country of registration: SE Application no.: 94926602.7 Patent no.: 0667068

Patent no.: 0667068
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: Dual Distributed Antenna Systems

Country of registration: ES Application no.: 94926602.7 Patent no.: 0667068

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: 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: ZA
Application no.: 94/6418
Patent no.: 94/6418
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: Dual Distributed Antenna Systems

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 Providing High Speed Data Communications in a Cellular Environment

Country of registration: PCT

Application no.: WO 98/19481
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 Coverage Area Antenna System for A CDMA Communication System

Country of registration: US
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: 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CL **Application no.:** 1470-97

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: 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**

Title: Method and Apparatus for Reliable Hand-off in a CDMA System

Country of registration:

Application no.: 08/695 241

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reliable Intersystem Handoff in a CDMA System

Country of registration: Application no.:

WO 98/062390

Patent no.:

US

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: Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communications

System Country of registration: US Application no.: 08/730,863 Patent no.: 5751725

Countries applicable: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Determining the Rate of Received Data in a Variable Rate Communications

System Country of registration: CL 2153/97 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**

Load Monitoring and Management in a CDMA Wireless Communication System

Country of registration:

Application no.: 08/688.453

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: LIMTS

Title: Load Monitoring And management In A CDMA Wireless Communications System

Country of registration: PCT

WO 98/05129 Application no.:

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

Project: UMTS

Title: Coherent Signal Processing For CDMA Communication System

Country of registration: PCT

Application no.: WO98/05128

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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: TW
Application no.: 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: Coherent Signal Processing for CDMA Communication System

Country of registration: TW **Application no.:** 86110785

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 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 $\ensuremath{\mathsf{ESSENTIAL}}$

Company name: Qualcomm Inc.

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: NO Application no.: 93/1949

Application no.: 93/1949

Notes: 93/1949

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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

Project: UMTS

Title: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration:

Application no.: 504281/92

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

ΗŪ P9301576

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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: Application no.:

93/2238

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

High Dynamic Range Closed Loop Automatic Gain Control Circuit Title:

Country of registration: **EPO** Application no.:

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 Application no.: 2093638

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: BG Application no.: 97790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

High Dynamic Range Closed Loop Automatic Gain Control Circuit Title:

Country of registration: LIS 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:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: ΙL Application no.: 100213 100213 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

Project: UMTS

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 Decision Output Decoder for Decoding Convolutionally Encoded Codewords

Country of registration: PCT

Application no.: WO 98/20617

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.

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: T\//

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR

Application no.: 701741/93

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: 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:

licenses under the IPRs on terms and conditions which are 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

CDMA Microcellular Telephone System And Distributed Antenna System Therefor 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: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: Application no.:

RO 93/00776

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: NO

Application 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**

Title: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: ΚP Application no.: 93/246 29763 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

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: ID P-972604 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**

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title: JP

Country of registration: Application no.:

502863/92

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: 08/741,320

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 HU

Country of registration:

P9301626 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:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration:

FΙ 93/2523

Application no.: Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

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

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 licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.:

CA 2097066

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

CDMA Microcellular Telephone System And Distributed Antenna System Therefor Title: BG

Country of registration: Application no.:

97842

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.:

PI9107213-1

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: CDMA Microcellular Telephone System And Distributed Antenna System Therefor

Country of registration: ΑU Application no.: 91336/91 Patent no.: 652602 ΑU 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method and Apparatus for Decoupling Capacity from Coverage in a Wireless System

Country of registration: US 08/709,244 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 Decoupling Capacity from Coverage in a Wireless System

Country of registration: **PCT** Application no.: WO 98/09460

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.

Project: **UMTS**

Coherent Signal Processing for CDMA Communication System Title:

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

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.

Project: **UMTS**

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors Country of registration: PL

P305984 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: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

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

licenses under the IPRs on terms and conditions which are 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.: 93907229.4

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: 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.:

PV2127*94

CZ

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 CN

Country of registration:

Application no.: 93102620.2

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:

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.:

CA 2130667

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

Application no.:

BG 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: 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: BR

Application no.:

PI9306032-7 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

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.:

ΑU 37907/93

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: Method and System for the Arrangement of Vocoder Data for the Masking of Transmission Channel

Induced Errors

Country of registration: US

Application no.: 08/194.824 5600754 Patent no.: 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: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

TW 81101187

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Application no.:

HU P9402518

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: ZΑ Application no.: 93/0450 Patent no.: 93/0450 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: 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.: 104910 104910 Patent no.:

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.

Project: **UMTS**

Method And System For The Arrangement Of Vocoder Data For The Masking Of Transmission Channel Title:

Induced Errors

Country of registration: PCT

Application no.: PCT/US93/00703 - WO 93/15502

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.

Project: **UMTS**

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

NO Application no.: 94/2751

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 the Arrangement of Vocoder Data For the Masking of Transmission Channel Title:

Induced Frrors

MX

Country of registration:

Application no.: 930442

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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

JΡ

Induced Errors

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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: IL Application no.: 104500 104500 Patent no.:

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

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: FΙ

94/3538 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

Country of registration:

EPO Application no.: 93904649.6

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 the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration: CN

Application no.: 93102375.0

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

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: Application no.:

CA 2138708

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors

Country of registration:

Application no.:

BR PI9305808-0

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.

Proiect: **UMTS**

Title: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: MXApplication 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**

Method and System For the Arrangement of Vocoder Data For the Masking of Transmission Channel Title:

Induced Errors

Country of registration:

Application no.: 702605/94

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:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: Application no.:

AU 37906/93

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: Method and Apparatus for Decoding Variable Rate Data

Country of registration: PCT

Application no.: WO 98/19431

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**

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver Title:

Country of registration: MX Application no.: 9301231 Patent no.: 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:

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: JĖ Application no.: 515898/93

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: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: IL Application no.: 104911 Patent no.: 104911 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.

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver ΗÜ

Country of registration: Application no.:

P9402519

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

FΪ 94/4057

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Notes:

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver CZ

Country of registration: Application no.:

PV2126/94 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: 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

FΙ

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:

Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously Title:

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

Application no.: 94/4055

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

PI9306033-5 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: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration: ZA Application no.: 92/7123 Patent no.: 92/7123 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: 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.: 08/219.867 Patent no.: 5544196

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:

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.:

KR 703125/94

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 Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: ZΑ Application no.: 93/1077 93/1077 Patent no.: 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

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

SK Country of registration:

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

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.:

RU 94045877

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 RO

Country of registration:

Application no.:

94/01473 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

Title: Apparatus And Method For Reducing Message Collision Between Mobile Stations Simultaneously

Accessing A Base Station In A CDMA Cellular Communication System

Country of registration:

Application no.:

Patent no.:

PCT/US93/01982

PCT

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Reducing Message Collision Between Mobile Stations Simultaneously Title:

Accessing a Base Station in a CDMA Cellular Communications System

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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration:

ΚP P-94370

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: Apparatus and Method for Reducing Message Collision Between Mobile Stations Simultaneously

Accessing a Base Station in a CDMA Cellular Communications System

Country of registration: MX Application no.: 9301230 181453 Patent no.: 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

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

Country of registration: JP

515899/93 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 Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: BG Application no.: 99025

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΑU Application no.: 26706/92 Patent no.: 665784 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 System For the Arrangement of Vocoder Data For the Masking of Transmission Channel

Induced Errors ΑU

Country of registration:

Application no.: 35939/93

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: Mobile Communications Device Registration Method

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.

Project: **UMTS**

Mobile Communications Device Registration Method 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**

Mobile Communications Device Registration Method

Title: Country of registration: FPO 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

Project: UMTS

Title: Mobile Communications Device Registration Method

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.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

Country of registration:

CZ PV642/94

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: Mobile Communications Device Registration Method CN

Country of registration: Application no.:

92110480.4

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: Mobile Communications Device Registration Method

Country of registration: Application no.: 2118803

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: BG 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.

UMTS Project:

Title: Mobile Communications Device Registration Method

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**

Mobile Communications Device Registration Method Title:

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** 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 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:

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

Policy, 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 MSC and A Base

Station US

Country of registration: 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Position-and-Preference Based Service Selection in a Mobile

Telephone System

Country of registration: US

Application no.: 08/743.511

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Proiect: **UMTS**

Title: Method and Apparatus for Performing Position and Preference Based Service Selection in a Mobile

Telephone System

Country of registration: PCT

WO 98/20698 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.

US

Project: **UMTS**

Method And Apparatus For Performing Rate Determination Title:

Country of registration:

Application no.: 08/741,232

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 Performing Data Rate Determination PCT

Country of registration:

Title:

Application no.: WO 98/19405

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

Project: UMTS

Title: Method and Apparatus for Performing a Fast Downward Move in a Cellular Telephone Forward Link

Power Control System

Country of registration:

Application no.:

08/736,201

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 a Fast Downward Move in a Cellular Telephone Forward Link Title:

Power Control System

Country of registration: **PCT**

Application no.:

WO 98/18212

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:

Project:

UMTS

Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data Title:

Country of registration: US Application no.: 07/695,397 Patent no.: 5233630 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: Method and Apparatus for Resolving Phase Ambiguities in Trellis-Coded Modulated Data

Country of registration: TW 81103402 Application no.: 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**

Using a signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA Title:

Cellular Telephone System

Country of registration:

Application no.:

08/659.407

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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

IL

CN

Project: **UMTS**

Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same Title:

Country of registration:

92-5487 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: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration:

Application no.: 103286

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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: Viterbi Decoder Bit Efficient Chainback Memory Method and Decoder Incorporating Same

Country of registration:

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.

Project: **UMTS**

Title: Mobile Communications Device Registration Method

Country of registration: US Application no.: 07/763.091 Patent no.: 5289527

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: GB

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: CH

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

Country of registration: SF

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:

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: KR

Application no.: 700880/94

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.

UMTS Project:

Title: Mobile Communications Device Registration Method

Country of registration:

DE 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**

Title: Mobile Communications Device Registration Method

Country of registration:

94/00453

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 Resolving Phase Ambiguities In Trellis Coded Modulated Data

Country of registration: PCT

PCT/US92/03656 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.

UMTS Project:

Mobile Communications Device Registration Method Title:

Country of registration:

Application no.: PCT/US92/07970

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: Mobile Communications Device Registration Method NO

Country of registration: Application no.:

94/0987

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

877

Company name: Qualcomm Inc.

Project: UMTS

Title: Mobile Communications Device Registration Method

Country of registration: N

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: MC

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: 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

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: 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: Mobile Communications Device Registration Method

Country of registration: IT

Application no.: 92921020.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IL
Application no.: 103182
Patent no.: 103182
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: Mobile

Mobile Communications Device Registration Method

Country of registration:

92921020.1

Application no.: 929210

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

Application no.: 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: Variable Response Fir Filter

Country of registration:

US Application no.: 08/291,647 5629955 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 the Formatting of Data For Transmission

Country of registration: SG Application no.: 9607371-3 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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: ID Application no.: P960117

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: EPO Application no.:

96903544.3

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.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: FPO

EA-97-0120-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**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: CN

Application no.: 96192583.3

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 47/96

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: CA Application no.: 2210657

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: BR

Country of registration: Application no.:

PI9606833-7

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: Application no.:

47603/96

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: JΡ

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.

UMTS Project:

Data Burst Randomizer Title:

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:

Method and Apparatus For the Formatting of Data For Transmission

Country of registration: MY Application no.:

PI9600092

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: Application no.: 81102050 Patent no.: NI-72304 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 the Formatting of Data For Transmission

Country of registration: US 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: .IP 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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: GB Application no.: 93903541.6 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**

Method and Apparatus For the Formatting of Data For Transmission Title:

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: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: SE Application no.: 93903541.6

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

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: 93903541.6

Application no.:

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**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: KR Application no.: 702450/94

Countries applicable: 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: System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration: TW Application no.: 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: Method and Apparatus For the Formatting of Data For Transmission AR

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: Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Country of registration: AR

Application no.: P970106993

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: BR

PI9107139-9 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:

System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration:

MY PI 9701775

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 Reducing Interference Generated By a CDMA Communications Device

Country of registration:

Title:

Application no.: 872/MAS/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: System and Method for Reducing Interference Generated By a CDMA Communications Device

Country of registration: CĹ 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: Method And Apparatus For Providing Centralized Power Control Administration For A Set of Base

Stations US

Country of registration: Application no.: 08/614,562

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: ZΑ 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**

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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

MY 9701029

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

Country of registration:

Method and Apparatus for Providing Centralized Power Control Administration for a Set of Base Stations

Application no.:

506/MAS/97

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: IL Application no.:

116790

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Application no.: 472-97

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 the Formatting of Data For Transmission

Country of registration: RU Application no.: 94035749.09

Countries applicable: 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.

US

Project: **UMTS**

Title: Method and Apparatus for Adjacent Coverage Area Hand-off in Communication Systems

Country of registration:

08/722.330

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: LIMTS

Title: Method and Apparatus for Adjacent Service Area Handoff in Communication Systems

Country of registration: PCT

WO 98/14026 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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: VN

S19970631 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 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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: TW Application no.: 85100238

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 the Formatting of Data For Transmission

Country of registration: Application no.:

KR 704854/97

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 the Formatting of Data For Transmission

Country of registration: 96/0181 Application no.: Patent no.: 96/0181 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 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

PCT Country of registration:

PCT/US96/00673 - WO 96/22639 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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: N7 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

Policy, 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.: 975396

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: ID P-970805 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: CN

Application no.: 93101741.6

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

Country of registration: ZA Application no.: 93/0290 93/0290 Patent no.: 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: Network Echo Canceller

Country of registration: MXApplication no.: 9305889 Patent no.: 182419 MX

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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Ш 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: HU Application no.: 94/01313

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 94/2443

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: DE

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:

Method and Apparatus For the Formatting of Data For Transmission Title:

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

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.

UMTS Project:

Title: Network Echo Canceller

Country of registration: NO

Application no.: 94/1904

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: DK

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.

Project: **UMTS** Title: Network Echo Canceller

Country of registration:

Application no.: PCT/US93/09112 - WO 94/08418

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

Qualcomm Inc. Company name:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CA Application no.: 2128327

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: AT

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: AR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US 07/858.781 Application no.: 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

Company name: Qualcomm Inc.

Project: **UMTS**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: US Application no.: 07/825,147 Patent no.: 5416797 Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For The Formatting Of Data For Transmission

Country of registration: PCT

Application no.: PCT/US93/00406

Patent no.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 Decoding Variable Rate Data

Country of registration: US

Application no.: 08/741,273

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: **EPO**

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

Project: UMTS

Title: Trellis Encoder and Decoder Based Upon Punctured Rate 1/2 Convolutional Codes

Country of registration: Application no.: 08/368,738 Patent no.: 5633881

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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: PT Application no.: 93903541.6

Countries applicable: PT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with 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: PL Application no.: P304472 Countries applicable: PL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

Policy, 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: NL

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**

Method and Apparatus For the Formatting of Data For Transmission Title:

Country of registration: MC 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: MX Application no.: 930236 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: Method and Apparatus For the Formatting of Data For Transmission

Country of registration: LU

Application no.: 93903541.6

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 the Formatting of Data For Transmission

Country of registration: JP

Application no.: 512691/93 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.

IT

Project: UMTS

Title: Method and Apparatus For the Formatting of Data For Transmission

Country of registration:

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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: KR Application no.: KR 707247/96

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: Network Echo Canceller

Country of registration: KP
Application no.: P94/328
Patent no.: 30638
Countries applicable: KP

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU
Application no.: 79876/87
Patent no.: 600528

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: Method and Apparatus for Eliminating Interference to a Hearing Aid from a Digital Communication Device

(CDMA) US

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

Project: UMTS

Title: Method for Determining Speech Encoding Rate in a Variable Rate Vocoder

Country of registration: Application no.: 07/984,602 5341456

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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Noise Replacement System and Method in an Echo Canceller

Country of registration: US Application no.: 08/607,402 Patent no.: 5646991 Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: LIS Application no.: 08/202,520 5559881 Patent no.: US

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: Network Echo Canceller

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.

Project: **UMTS**

Title: Network Echo Canceller

Country of registration: KR Application no.:

701785/94

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: Network Echo Canceller

Country of registration: ZA Application no.: 93/6322 Patent no.: 93/6322 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: 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RO
Application no: 94/9

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: Network Echo Canceller

Country of registration: PL Application 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 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: ROM-Based Finite Impulse Response Filter For Use In Mobile Telephones

Country of registration: PCT **Application no.:** WO 97/50174

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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: ZA
Application no.: 92/4082
Patent no.: 92/4082

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 Of Power Control In A CDMA Dispatch System

Country of registration: PCT

Application no.: WO 97/47094

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

Project: UMTS

Title: Method and Apparatus of Power Control in a CDMA Dispatch System

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.

UMTS Project:

Title: Method and Apparatus of Power Control in a CDMA Dispatch System

Country of registration: CL

1069-98

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 Rate Scheduled Data in a SPREAD SPECTRUM Communication Title:

System Country of registration: US Application no.: 08/656,649

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 PCT

Country of registration: PCT/US97/09287 - WO 97/46044 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**

Method and Apparatus for Performing Idle Hand-Off in a Multiple Access Communication System Title:

Country of registration: US

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 Idle Handoff In A Multiple Access Communication System

Country of registration: PCT

WO 97/47154 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:

Method And System For Providing A Cone of Silence in A Cellular Communication System

Country of registration: US

Notes:

Application no.: 08/651,368

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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:

Application no.: 08/660.618

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: TW Application no.: 86108972

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: High Data Rate CDMA Wireless Communication System IN

Country of registration:

Application no.: 1094/MAS/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.

Project: **UMTS**

ROM-Based Finite Impulse Response Filter for Use in Mobile Telephone Title:

Country of registration: Application no.: PI9702780

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CL 1233-99 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.

US

Project: UMTS

Title: Method And Apparatus For Providing Signal Diversity In A CDMA Communication System

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**

Method and Apparatus for Providing Diversity in Hard Handoff for a CDMA System Title:

Country of registration: T\// Application no.: 86106697

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Diversity in Hard Handoff for a CDMA System

Country of registration:

Notes:

Title: **7**A

> The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: Method And Apparatus For Providing Diversity In Hard Handoff For A CDMA System

Country of registration: PCT

Application no.: WO 97/44983

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**

Method And Apparatus For Measurement Directed Hard Hand-off In A CDMA System Title:

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: PCT

PCT/US97/08677 - WO 97/44970 Application no.:

US

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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: IJA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

Title: Linear Gain Control Amplifier

Country of registration: JP.

Application no.: 500744/92 Patent no.: 5099204 JP

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: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

RO 94/01474

PCT

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: Using A Signal With Increased Power For Determining The Position Of A Mobile Subscriber In A CDMA

Cellular Telephone System

Country of registration:

WO 97/47148 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: Method and Apparatus for Measuring Link Quality in a SPREAD SPECTRUM Communication System

Country of registration: US

08/722,763

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 Measuring Link Quality in a SPREAD SPECTRUM Communication System

Country of registration: PCT Application no.: WO 98/13951

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**

Bright and Burst Mode Signaling Data Transmission in an Adjustable Rate Wireless Communication Title:

> System US

Country of registration:

08/656,652

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:

Transmission Of Signaling Data In An Adjustable Rate Wireless Communication System Title:

Country of registration:

PCT/US97/09288 - WO 97/45976

Application no.:

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.

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: Application no.:

US 07/598,845 5099204

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

Project: UMTS

Title: Linear Gain Control Amplifier

Country of registration: TW Application no.: 80108121 Patent no.: NI-55654 TW

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: Linear Gain Control Amplifier

Country of registration: KR

Application no.: 701125/93

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**

Linear Gain Control Amplifier Title:

Country of registration: PCT

PCT/US91/07702 - WO 92/07424 Application no.:

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.

Project: **UMTS**

Title: Method and Apparatus of Power Control in a CDMA Dispatch System

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

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: MX Application no.: 9101591

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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:

Linear Gain Control Amplifier

Country of registration: FΙ 93/1690

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: Linear Gain Control Amplifier

Country of registration: Application no.: 92902054.3

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: 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: Linear Gain Control Amplifier

Country of registration: BR

Application no.: PI9107044-9

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: Linear Gain Control Amplifier

Country of registration: ΑU Application no.: 89430/91 Patent no.: 648364 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: Reduced Peak-to-Average Transmit Power High Data Rate In A CDMA Wireless Communication System

Country of registration: US Application no.: 08/660.438

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Subscriber Unit for A CDMA Wireless Communication System

Country of registration: PCT

Application no.: WO 97/47098

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: Reduced Peak-to-Average Transmit Power High Data Rate CDMA Wireless Communication System

Country of registration: AR

Application no.: P 97 01 02 477

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US

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**

High Data Rate CDMA Wireless Communication System

Country of registration: TW

Application no.: 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

Project: UMTS

Title: Subscriber Unit For CDMA Wireless Communication system

Country of registration: PCT

PCT/US97/09606 - WO 97/45970 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: Linear Gain Control Amplifier NO

Country of registration: Application no.:

93/1376

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: BE

Application no.: 91903171,6 Patent no.: 521859 Countries applicable: ΒE

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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/US90/06058 - WO 91/15056

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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: NI

Application no.: 91903171,6 521859 Patent no.:

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

Company name: Qualcomm Inc.

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: 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**

Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limited

Country of registration: JΡ

Title:

503193/91

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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration:

Application no.: 91903171,6 Patent no.: 521859 IT

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: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: GR Application no.: 91903171,6 Patent no.: 521859 Countries applicable: GR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: DE 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 521859 Patent no.:

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.

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: **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: 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Application no.: 91903171,6

Patent no.: 521859 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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: AU 70773/91 Application no.: Patent no.: 657261 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:

Coexisting GSM and CDMA Wireless Telecommunications Network Title:

Country of registration: LIS Application no.: 08/604,786

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.:

97/1478

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**

Coexisting GSM and CDMA Wireless Telecommunications Network

Title: Country of registration: PCT

Application no.: PCT/US97/00926 - WO 97/31503

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: 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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Hard Hand-off in a CDMA System Title:

Country of registration: Application no.:

US 08/652,742

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: WO 97/44984 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

Qualcomm Inc. Company name:

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: DK Application no.: 91903171.6 Patent no.: 521859

Countries applicable: DK

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **BR**

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: RU

93058657.24 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**

Masking Frame Errors in a Variable Rate Vocoder 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

Project: UMTS

Title: Variable Rate Vocoder

Country of registration: PCT

Application no.: PCT/US92/04605 - WO 92/22891

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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: NO

93/4544 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: MX 922808 Application no.: Patent no.: 179172 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.

Project: **UMTS**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: JP Application no.: 500902/93 5414796 Patent no.:

.IP 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: 102146 Application no.: Patent no.: 5414796

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: Masking Frame Errors in a Variable Rate Vocoder HU

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**

Masking Frame Errors in a Variable Rate Vocoder Title:

Country of registration: Application no.:

FΙ 93/5597

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FPO Application no.:

92913505.1

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

Project: UMTS

Title: Direct Digital Synthesizer Driven Phase Lock Loop Frequency Synthesizer with Hard Limiter

Country of registration: Application no.: 91-4959

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CA Application no.: 2102099

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: High Dynamic Range Closed Loop Automatic Gain Control Circuit

Country of registration: ΑŪ Application no.: 12416/92 Patent no.: 652807 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: Masking Frame Errors in a Variable Rate Vocoder

Country of registration: ΑIJ 21865/92 Application no.: Patent no.: 671952 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: Inter-System Calling Supporting Inter-System Soft Hand-off

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: Inter-System Calling Supporting Inter-System Soft Handoff

Country of registration: PCT

Application no.: PCT/US97/07412 - WO 97/41698

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.

Project: **UMTS**

Method And Apparatus For Performing Preferred System Selection Title:

Country of registration: US

Application no.: 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:

Method and Apparatus for Performing Preferred System Selection Title:

Country of registration: PCT

Application no.: PCT/US97/06380 - WO 97/36452

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

Project: UMTS

Title: Method And Apparatus For Performing Preferred System Selection

Country of registration:

Application no.: 08/626.744

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Performing Preferred System Selection

Country of registration: PCT

Application no.: PCT/US97/06378 - WO 97/36443

Patent no.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 07/502,101 5028887 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: 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 521859 Patent no.:

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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CH 91903171,6 Application no.: 521859 Patent no.:

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**

Masking Frame Errors in a Variable Rate Vocoder Title: CN

Country of registration:

92104618.9 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: ΑIJ

Application no.: 39451/95

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: Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration:

962026 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

Country of registration:

Application no.:

Notes:

Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System MY

PI 9502749

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Search Processor for a SPREAD SPECTRUM Multiple Access Communication System Title: JΡ

Country of registration:

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS** Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Title:

Country of registration:

Application no.:

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.

Project: **UMTS** Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Title: Country of registration:

Application no.:

1179/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. **UMTS**

Project:

Title:

Country of registration:

Application no.:

Notes:

Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

ID

IN

P-951989

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Country of registration:

Application no.:

Notes:

Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

FΙ 96/2258

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FPO

Application no.: 95937306.9 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: Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: CN

Application no.: CN 95190946.0

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: CL Application no.:

1471-95

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.

KP

Project: **UMTS**

Title: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration:

Application no.:

P94/364 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 BR

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: SG

Application no.: 9610925-1

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: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: US Application no.: 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.

Project: **UMTS**

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications Title:

Country of registration:

V/N S-1775/96

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:

Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: KR

Application no.: 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

Project: UMTS

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: ZA Application no.: 94/7317 Patent no.: 94/7317 Countries applicable:

ZA Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RU 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

PCT/US94/10774 - WO 95/08888 Application no.:

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.

Project: **UMTS**

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: MX 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**

Multirate Serial Viterbi Decoder for CDMA System Applications Title:

Country of registration: MY

Application no.: PI 9402519

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 .IP

Country of registration:

Application no.: 509949/95

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: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration: Ш

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**

Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System Title:

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

Project: UMTS

Title: Mobile Demodulator Architecture For A SPREAD SPECTRUM Multiple Access System

Country of registration: PCT

Application no.: PCT/US96/10575 - WO 97/01227

CA

BR

ΑU

US

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**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

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.

UMTS Project:

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration:

Application no.: PI940718-8

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: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration:

80943/94 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: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration:

Application no.: 08/316.156

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel Title:

Country of registration: RU Application no.: 97106816

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: **PCT**

Application no.: PCT/US95/12556 - WO 96/10874

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.

Project: UMTS

Title: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

Country of registration: **EPO** Application no.: 95936845.7

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

Project: UMTS

Title: Serial Linked Interconnect for Summation of Multiple Waveforms on a Common Channel

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Mobile Demodulator Architecture For A SPREAD SPECTRUM Multiple Access System Title:

Country of registration: US 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: Method Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: PCT

Application no.: PCT/US95/12390 - WO 96/10873

Patent no.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ZA Application no.: 96/4963 Patent no.: 96/4963 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: Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: Application no.:

96144977

RU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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:

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.

Project: **UMTS**

Mobile Demodulator Architecture for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: Ш 118665 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:

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**

Title: Mobile Demodulator Architecture for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: CL Application no.: 1012/96

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**

Mobile Demodulator Architecture for a SPREAD SPECTRUM Multiple Access Communication System Title:

Country of registration: Application no.:

337146

AR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: US

Country of registration: Application no.:

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Multipath Search Processor for a SPREAD SPECTRUM for a SPREAD SPECTRUM Multiple Access

Communication System

Country of registration: Application no.:

Notes:

S1931/96

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 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.

Project: **UMTS**

Title: Multipath Search Processor for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: KR 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**

Multipath Search Processor for a SPREAD SPECTRUM for a SPREAD SPECTRUM Multiple Access Title:

Communication System

Country of registration: ZA

Application no.: 95/7858

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: EPO **Application no.:** 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.

Project: UMTS

Title: Mobile Demodulator Architecture for a SPREAD SPECTRUM Multiple Access Communication System

Country of registration: TW Application no.: 85106788

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

Country of registration:

Application no.:

System
IN
831/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.

ID

Project: UMTS

Title: Multirate Serial Viterbi Decoder for CDMA System Applications

Country of registration:

Application no.: P-941619

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: AU
Application no.: 10847/95
Patent no.: 5414728
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: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: VN

Application no.: S1811/96

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 the Transmission Data Rate in a Multi-User Communications

System TW

Country of registration: TW Application no.: 93109659

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

Country of registration: KR
Application no.: System
KR
701143/96

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 Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: ZA 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 RU

Country of registration:

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.

Project: UMTS

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System PCT

Country of registration:

Application no.: PCT/US94/10087 - WO 95/07578

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 Determining the Transmission Data Rate in a Multi-User Communications

System MX

Country of registration:

Application no.: 9406834

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 MY

Country of registration:

Application no.: PI9402318

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:CAApplication no.:2175488Patent no.:5414728Countries 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: Qualcomm Inc.

Project: UMTS

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: IL
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

Project: UMTS

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: CL Application no.: 1581/94 5414728 Patent no.: Countries applicable: 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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications Title:

System Country of registration: IĎ 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: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System

Country of registration: Fί Application no.: 96/1113

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 ΕΡΟ

Country of registration: Application no.: 94927369.2

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 Determining the Transmission Data Rate in a Multi-User Communications

System CN

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.

Project: **UMTS**

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System Country of registration: CĹ Application no.: 1310/94

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**

Title: Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications

System Country of registration: CA Application no.: 2171008

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: BR

Application no.: PI9407458-5

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**

Method and Apparatus for Determining the Transmission Data Rate in a Multi-User Communications Title:

> System ΑU

Country of registration:

76838/94

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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

TW 85100240

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 JÉ

Country of registration:

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

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 Title:

SPREAD SPECTRUM Communication Channels

Country of registration:

KR Application no.: 702259/96 Patent no.: 5414728

Countries applicable: KR The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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.:

9493290.7

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: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: CN

Application no.: 94193504

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 CL

Country of registration: Application no.:

1380-94

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**

Title: Multirate Serial Viterbi Decoder for Code Division Multiple Access System Applications

Country of registration: Application no.:

2171220

BR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 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

Layered Channel Element In A Base Station Modem For A CDMA Cellular Communication System Title:

Country of registration: US Application no.: 08/261,539 Patent no.: 5511067 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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: PCT

PCT/US95/07684 - WO 95/35638

Application no.: 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.

Project: **UMTS**

Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System Title:

Country of registration: **EPO** Application no.: 95923081.4

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: Layered Channel Element in a Base Station Modem for a CDMA Cellular Communication System

Country of registration: CÁ

Application no.: 2193103

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 ٧N

Country of registration:

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.

UMTS Project:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Title:

SPREAD SPECTRUM Communication Channels

Country of registration:

Application no.: PI9407919-6 Patent no.: 5414728 Countries applicable: BR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Title:

SPREAD SPECTRUM Communication Channels

Country of registration:

Application no.: 83111686 Patent no.: 5414728 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.

FΙ

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: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: **7**A 94/8431 Application no.: 5414728 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.

UMTS Project:

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 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.: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: MX
Application no.: 9408488
Patent no.: 5414728
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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: MY
Application no.: P19402888
Patent no.: 5414728
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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: JP
Application no.: 513320/95
Patent no.: 5414728
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 Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: IL
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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: IN

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

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 5414728 Patent no.: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase SPREAD SPECTRUM Communication Channels

Country of registration: **EPO** Application no.: 95901717.9 Patent no.: 5414728 Countries applicable: **EPO**

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase

SPREAD SPECTRUM Communication Channels

Country of registration: CN

Application no.: 94193945.6 Patent no.: 5414728 CN

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 and Apparatus for Bifurcating Signal Transmission Over In-Phase and Quadrature Phase Title:

SPREAD SPECTRUM Communication Channels

Country of registration: US Application no.: 08/146,645 5414728 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: 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

TW 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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Title:

Soft Handoff **EPO**

Country of registration: 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

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.:

ΙĹ 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:

Application no.:

IN 1041/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

Qualcomm Inc. Company name:

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.:

FΪ 95/3501

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 EPO

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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

CN 94190956.5

95902697.2

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. UMTS

Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding CL

Country of registration:

Application no.:

1643/94

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

Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication Title:

System Using Coset Coding

Country of registration:

Application no.:

CA 2153700

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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:

Application no.:

PI9405789-3

BR

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ΑU Application no.: 11872/95 Patent no.: 678874 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.

UMTS Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

MY PI9403080

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 VN

Country of registration:

Application no.:

S-1918/96

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: Fast Forward Link Power Control in a Code Division Multiple Access System

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:

Application no.:

KR 702137/96

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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: ZΑ Application no.: 94/8133 Patent no.: 94/8133 ZA

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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff SG

Country of registration:

Application no.:

Notes:

9607380-4

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 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**

Title: Method and Apparatus for Reducing The Average Transmit Power from a Sectorized Base Station

Country of registration: PCT

Application no.:

Patent no.:

PCT/US94/12459 - WO 95/12297

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

MX

Title: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration:

Application no.:

Notes:

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.

Proiect: Title:

UMTS Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: MY PI 9402826 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff JΡ

Country of registration: Application no.:

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

Qualcomm Inc. Company name:

Project:

UMTS

Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During Title: Soft Handoff

Country of registration: Ш

Application no.:

111434

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff IN

CL

Country of registration:

Application no.:

985/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

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: Method and Apparatus for Reducing The Average Transmit Power from a Sectorized Base Station

Country of registration:

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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication Title:

System Using Coset Coding

Country of registration:

Application no.:

FΪ 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS**

Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

51936/96

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

Qualcomm Inc. Company name:

Project: Title:

UMTS Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

VN

US

System Using Coset Coding

Country of registration:

Application no.: 08/146,642 Patent no.: 5471497

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: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

TW

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

Qualcomm Inc. Company name:

UMTS Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration: KR

702256/96

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: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration: ZΑ Application no.: 94/8560 94/8560 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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication Title:

System Using Coset Coding

Country of registration:

RU 96112185

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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding **PCT**

Country of registration:

Application no.: PCT/US94/12540 - WO 95/12938

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:

Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication Title:

System Using Coset Coding

Country of registration: MX Application no.: 9408492

Patent no.: 185915 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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

MY PI9402910

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

JP

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:

Fast Forward Link Power Control In A Code Division Multiple Access System

Country of registration: JP

Application no.: 515247/95

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 Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

1056/MAS/94

IŃ

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 CN

Country of registration:

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

Qualcomm Inc. Company name:

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 95901735,1

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: Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding ĆŃ

Country of registration:

Application no.:

94193946.4

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.

Proiect:

Title:

UMTS

Method and Apparatus for Variable Rate Signal Transmission in a SPREAD SPECTRUM Communication

System Using Coset Coding

Country of registration:

Application no.:

CĹ 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project:

UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding

Country of registration:

Application no.: Notes:

RR

PI9407920-0

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

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 678653 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**

Fast Forward Link Power Control in a Code Division Multiple Access System Title:

Country of registration: Application no.: 08/276,576 Patent no.: 5461639 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: Fast Forward Link Power Control In A Code Division Multiple Access System

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 Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: UMTS

Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication Title:

System Using Coset Coding TW

Country of registration:

Application no.:

83111685

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: KR

Application no.:

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

Qualcomm Inc. Company name:

UMTS Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: **7**A Application no.: 94/8424 Patent no.: 94/8424 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.

UMTS Project:

Title: Method and Apparatus for Variable Rate Signal Transmission in a Spread Spectrum Communication

System Using Coset Coding

Country of registration: IL

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

Project: UMTS

Title: Method And Apparatus For The Transmission Of Variable Rate Digital Data

Country of registration: Application no.: 08/539.490 Patent no.: 5581575

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:

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: MXApplication no.: 9408308 Patent no.: 185966 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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: MY PI 9402760 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

Country of registration: JΡ

Application no.: 512880/95

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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

IL 111432

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:

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

Country of registration: Application no.:

953210

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 94932118.6

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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration:

CL Application no.: 1582-94

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**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals CA

Country of registration: Application no.:

2150932 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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.

Project: **UMTS**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals ΑU

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:

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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: Application no.:

702257/96

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: ZA Application no.: 94/8427 94/8427 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 the Transmission of Variable Rate Digital Data

Country of registration: PCT

PCT/US94/12373 - WO 95/12943 Application no.:

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.

Project: **UMTS**

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: MX 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**

Method and Apparatus for the Transmission of Variable Rate Digital Data Title:

Country of registration: MY

Application no.: PI 9402887

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 .IP

Country of registration:

Application no.: 513306/95

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

Qualcomm Inc. Company name:

Project: UMTS

Title: Method and Apparatus for the Transmission of Variable Rate Digital Data

Country of registration: IL

Application no.: 111452

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

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

Project: **UMTS**

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: SG

Application no.: 9611441-8

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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: BR

Application no.: PI 9405647-1

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 Performing Handoff Between Sectors of a Common Base Station JΡ

Country of registration:

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

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: CL 1568-94 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: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

Country of registration: CA Application no.: 2173484

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 **BR**

Country of registration:

Application no.: PI9407896-3

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.

Project: **UMTS**

Title: Method and Apparatus for Reducing the Average Downlink Transmitted Power from Base Stations During

Soft Handoff

US

Country of registration: ΑU

Application no.: 80968/94

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:

Title: Method and Apparatus for Performing Hand-off Between Sectors of a Common Base Station

Country of registration: LIS Application no.: 08/405,611 Patent no.: 5625876

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 Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.: 83111348 Patent no.: NI-73287

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.

KR

Project: **UMTS**

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.: Notes:

702722/95 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**

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station Title:

Country of registration: ZA Application no.: 94-8134 Patent no.: 94-8134 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. UMTS Project:

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: RU

Application no.: 95112669.09

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: 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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

MY PI 9402761

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 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

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.: 111433

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: IN

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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station Title:

Country of registration: Application no.:

953211

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

EPO 94932119,4

CL

CA

1569-94

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**

Title: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

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: Method and Apparatus for Performing Handoff Between Sectors of a Common Base Station

Country of registration: Application no.:

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:

Country of registration:

RR 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:

ΑIJ 80964/94

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: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

Country of registration: 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**

Title: Demodulation Element Assignment in a System Capable of Receiving Multiple Signals

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

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: KR 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: MXApplication no.: 9408385

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: CN

Application no.: 93114837.5

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**

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

System ΜX

Country of registration:

9401298

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

Pilot Carrier Dot Product Circuit Title:

Country of registration:

ZA

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: Application no.:

SG 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

Project: **UMTS**

Title: Pilot Carrier Dot Product Circuit

Country of registration: RU

Application no.: 95113713.09

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: Pilot Carrier Dot Product Circuit

Country of registration: PCT

Application no.: PCT/US93/11261 - WO 94/13066

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: Pilot Carrier Dot Product Circuit

Country of registration: MX 9307373 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: LIMTS

Title: Pilot Carrier Dot Product Circuit MY

Country of registration:

PI9302459 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 JP.

Country of registration:

Application no.: 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: Application no.: 107710 107710 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: Pilot Carrier Dot Product Circuit

Country of registration: IN

816/MAS/93 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: US

Application no.: 08/343.800 Patent no.: 5506865

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: Pilot Carrier Dot Product Circuit

Country of registration: Application no.:

94902317.0

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: 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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑIJ 56725/94 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: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: US Application no.: 08/020,482 Patent no.: 5396516

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:

Project: UMTS

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

> System TW 83100734 NI-82312

Patent no.: Countries applicable: TW

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 and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: KR

Application no.: 703506/95

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

Country of registration: ZA
Application no.: 94/0516
Patent no.: 94/0516
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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: SG **Application no.:** 9607703-7

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration:

Application no.: 95117936.09

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

Country of registration: PL

Application no.: P309726

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.: 08/537,059
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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.
Project: UMTS

Project: UMTS
Title: Pilot Carrier Dot Product Circuit

Country of registration: FI Application no.: 95/2468

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 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.

Project: **UMTS**

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: KR

Application no.: 705071/96

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: Network Echo Canceller CZ

Country of registration:

PV1271/94

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**

Network Echo Canceller Title:

Country of registration: CN

93118294

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: Network Echo Canceller

Country of registration: CA Application no.: 2123002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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

BG

Country of registration: Application no.:

98780 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: RR

Application no.: PI9305647-8

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: Network Echo Canceller

Country of registration: ΑU Application no.: 52918/93 Patent no.: 660243 Countries applicable: ΑIJ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Noncoherent Receiver Employing a Dual Maxima Metric Generation Process

Country of registration:

Application no.: 08/083,110 Patent no.: 5442627 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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: TW Application no.: 83106259 Patent no.: NI-70651 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: 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

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: KR Application no.: 702142/95

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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: 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**

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

System

Country of registration: Application no.:

PI9400227

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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:

PCT/US94/06602 - WO 95/01018 Application no.:

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.

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: MX Application 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

Project: UMTS

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.: PI9401462

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

> licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

JP 502888/95

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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

109843

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

457/MAS/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: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process FΙ

Country of registration: Application no.:

95/6253

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.

UMTS Project:

Title: Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: Application no.:

Notes:

94921281.5 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process Title:

Country of registration: CN

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

Company name: Qualcomm Inc.

Project: **UMTS** Title:

Noncoherent Receiver Employing A Dual-Maxma Metric Generation Process

Country of registration: CA

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: ZA Application no.: 94/4074 94/1074 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

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: Application no.:

CN 94107503

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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 PΉ

Country of registration: Application no.:

47726

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Proiect: **UMTS**

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver LU

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

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 JΡ

Country of registration:

Application no.:

503020/95

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a Title:

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:

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.:

IL 109842

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

ΙE

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

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:

Application no.:

GR 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

Policy, 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

DE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.:

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

Title:

MC. 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

Country of registration:

Application no.:

94920280.8

DK

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: 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**

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: Application no.:

CA 2165342

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 BR

Country of registration:

Application no.:

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.

Proiect:

UMTS

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver BF

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.

UMTS Project:

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver AT

Country of registration:

Application no.:

Title:

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

AU 71136/94

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: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: US
Application no.: 08/206,701
Patent no.: 5509015

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.

Project: UMTS

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: 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: KR **Application no.:** KR 703124/94

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: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: ZA Application no.: 2A 93/1406

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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
Application no.: PV1053/94

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: Apparatus and Method for Reducing Power Consumption in a Mobile Communications Receiver

Country of registration: RU

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

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration: EPO

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 Date in a

Communications Receiver

Country of registration: US

Application no.: 08/233,570 5566206 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:

Project: **UMTS**

Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control Title:

System Country of registration: JP 518994/94 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: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: IL 108445 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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System IN

Country of registration:

Application no.: 60/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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System ID

Country of registration: Application no.:

P940267

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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: ΗŪ P9403846 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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

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

Project: UMTS

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: **EPO** Application no.: 94907396.3

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.

Project: **UMTS**

Title: Method and System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System CN

Country of registration: Application no.:

94102045.2

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System Country of registration: CA 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

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 ΒŔ

Country of registration: Application no.: PI9405695-1

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: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver MX

Country of registration:

Application no.:

9404610

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

UMTS Project:

Title: Method And System For The Dynamic Modification Of Control Parameters In A Transmitter Power Control

System

Country of registration: PCT

PCT/US94/01150 - WO 94/19876 Application no.:

Patent no.:

Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Comprehensive Mobile Communications Device Registration Method Title:

Country of registration: LIS Application no.: 08/536,581 Patent no.: 5642398 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 Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

S1634/95

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 Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

94920280.8

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

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:

Application no.:

CH 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

Policy, 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

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: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

ES 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.

UMTS Project:

Title: Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver KR

Country of registration:

Application no.:

705758/95

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a Title:

Communications Receiver

Country of registration: 7A 94/4032 Application no.: Patent no.: 94/4032 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 and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a

Communications Receiver

Country of registration:

Application no.:

9608041-1

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**

Method and Apparatus for Determining Data Rate of Transmitted Variable Rate Data in a Title:

Communications Receiver

Country of registration:

Application no.:

RU 96101998

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

PT 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

Policy, 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: PCT

Application no.: PCT/US94/06956 - WO 95/01032

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 System for the Dynamic Modification of Control Parameters in a Transmitter Power Control

System

Country of registration: AU 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

Company name: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Performing a Fast Hadamard Transform Title:

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:

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: US Application no.: 08/076,228 Patent no.: 5408697

Countries applicable: US The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: VN **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.

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: US
Application no.: 08/173,460
Patent no.: 5561618

Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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
Patent no.: NI-72660
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 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 9409702

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Application no.: P950313

ID

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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**

Title: Double-talk Detection by Means of Spectral Content

Country of registration: IN

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 a Fast Hadamard Transform

Country of registration: IN

1036/MAS/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: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: 96/2573 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 a Fast Hadamard Transform

Country of registration:

EPO 95904955.2

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 a Fast Hadamard Transform

Country of registration:

Title:

Application no.: 94194567.7

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

Project: UMTS

Title: Method and Apparatus for Performing a Fast Hadamard Transform

Country of registration: CL

Application no.: 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

Policy, 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: CA

Application no.: 2179758

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.:

BR PI9408414-9

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: Method and Apparatus for Performing a Fast Hadamard Transform

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.

Project: **UMTS**

Title: Antenna System for Multipath Diversity in an Indoor Microcellular Communication System

Country of registration: US Application no.: 08/351,853 Patent no.: 5577265

Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: EPO 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:

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: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: CL

Application no.: 28/96

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: Comprehensive Mobile Communications Device Registration Method

Country of registration: US Application no.: 08/602,683 5588043 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: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: RU Application no.:

96118247

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: PCT

Application no.: PCT/US96/00457 - WO 9621976

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**

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System Title:

Country of registration: MX Application no.:

964085

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 MY

Country of registration:

Application no.: PI9600101

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

JP Country of registration:

521836/96 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**

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration:

Ш

116739 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: 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:

P960091

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title:

Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

96/03600

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 148/95

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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range Title:

Country of registration: TW Application no.: 83105662 Patent no.: NI-69151 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

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

Application no.:

2185444

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration:

PI9603816-0

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

Project: UMTS

Title: Cell Site Demodulator Architecture for a Spread Spectrum Multiple Access Communication System

Country of registration: Application no.:

ΑU 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.

UMTS Project:

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Proiect: **UMTS**

Title: Double-talk Detection by Means of Spectral Content

Country of registration: TW Application no.: 84100974 NI-076592 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Double-talk Detection by Means of Spectral Content Title:

Country of registration: ZΑ Application no.: 95/0599 Patent no.: 95/0599 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: Doubletalk Detection by Means of Spectral Content

Country of registration: **PCT**

Application no.: PCT/US95/02447 - WO 95/23477

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

Project: UMTS

Title: Double-talk Detection by Means of Spectral Content

Country of registration: MY Application no.: PI9500192

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Application no.: 112797

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Country of registration: **EPO** Application no.:

96902671.5

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**

System And Method For Simulating User Interference In A Spread Spectrum Communication Network Title:

Country of registration: JP

Application no.: 505186/95

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: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: US Application no.: 08/547,340 Patent no.: 5576662 Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: Vocoder ASIC AU

Country of registration: 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: 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:

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network V/N

Country of registration: Application no.:

Notes:

S1809/96 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

Project: UMTS

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.:

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: Title:

UMTS

Country of registration:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network 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

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

Application no.:

ZΑ 95/5605

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: Title:

UMTS

Country of registration:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Application no.:

SG 9607386-1

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:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: 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.

Project:

Title:

UMTS System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration:

PCT

Application no.:

PCT/US95/08889 - WO 96/02986

Patent no.: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.:

CA

2158660

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Simulating User Interference In A Spread Spectrum Communication Network Title:

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

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:

ΙĹ Application no.: 114560

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΙŃ 841/MAS/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:

System And Method For Simulating User Interference In A Spread Spectrum Communication Network ID

Country of registration: Application no.:

P951343

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 FΙ

Application no.: 96/1150

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

95927186.7

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**

System And Method For Simulating User Interference In A Spread Spectrum Communication Network Title:

Country of registration: Application no.:

CN 95190629.1

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: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: CÌ Application no.: 1002/95

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: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: Application no.:

CA 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

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.: PI9506283-1

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: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: ΑÙ

Application no.:

31291/95

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: Comprehensive Mobile Communications Device Registration Method

Country of registration: Application no.: 08/536,580 5621784 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: Qualcomm Inc.

Project: **UMTS**

Title: System And Method For Simulating User Interference In A Spread Spectrum Communication Network

Country of registration: MX

960954 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: 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: Title:

UMTS Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: ZA

94/3837

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

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

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.:

9404430

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: MY

Application no.: PI9401460

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range Title:

Country of registration:

109952

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: 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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Temperature-Compensated Gain-Controlled Amplifier Having a Wide Linear Dynamic Range

Country of registration: CN

Application no.: 94107111.1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Station Operating in an Analog Mode and for Subsequent Hand-off to Another System Title:

Country of registration: US Application no.: 08/383,555 Patent no.: 5509035

Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

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 Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: TW Application no.: 84102110

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: 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: ZΑ

Application no.: 95/0798

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ZA Application no.: 96/0186

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: MX Application no.: 9504358

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS** Vocoder ASIC Title: Country of registration: MY

Application no.: PI9500210

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JΡ

Application no.: 521936/95

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

Company name: Qualcomm Inc. Project: UMTS Title: Vocoder ASIC Country of registration:

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. Project: **UMTS** Title: Vocoder ASIC Country of registration: IN Application no.: 94/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: Vocoder ASIC Country of registration: ID Application no.: P950260

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. Project: **UMTS** Vocoder ASIC Title: Country of registration: Application no.: 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. Project: **UMTS** 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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: CN

Application no.: 95190086.2

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** Vocoder ASIC Title: Country of registration: KR

Application no.: 704554/95

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 Performing Reduced Rate Variable Rate Vocoding

Country of registration: PCT

Application no.: PCT/US95/09780 - WO 96/04646

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

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CN

Application no.: CN 95190554.6

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 For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: CL 861-95

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.

UMTS Project:

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System CA

Country of registration: Application no.:

2166796

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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.: PI 9505489-8

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: Method For Providing Service And Rate Negotiation In A Mobile Communication System

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.

Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: US Application no.: 08/815,354

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: V/N Application no.: S-1855/96

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 Reduced Rate Variable Rate Vocoding

Country of registration: TW Application no.: 84107077 Patent no.: NI-076818 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 Reduced Rate Variable Rate Vocoding

Country of registration: KR

Application no.: 701753/96

Notes: 701753/96

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 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 Policy, 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 RU

Country of registration: Application no.:

pplication no.: 96110286

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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.: 114138

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: MY

Application no.: PI 9502226

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

JP

Project: UMTS

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

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 Performing Reduced Rate Variable Rate Vocoding

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

Company name: Qualcomm Inc.

Project: UMTS
Title: Method

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration: ID Application no.: P-951537

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: 847/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.

FΙ

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration:

Application no.: FI 961445

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 **EPO**

Country of registration: 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.

Project: **UMTS**

Title: Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding

Country of registration:

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: CL Application no.: 1134-95

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 Controlling Power In A Variable Rate Communication System

Country of registration: **PCT**

Application no.:

PCT/US95/08477 - WO 96/04718

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 Performing Reduced Rate Variable Rate Vocoding

Country of registration: ZA Application no.: 95/6078 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: Application no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: CL Application no.: 1270-95

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 Controlling Power In A Variable Rate Communication System

Country of registration:

MY 9502112

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: Application no.:

JΡ 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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: ID

Application no.: P951480

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.: 846/MAS/95

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 Controlling Power In A Variable Rate Communication System Title:

Country of registration: FI

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 Controlling Power In A Variable Rate Communication System

Country of registration: FPO

Application no.: 95926626,3

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

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.

Project: **UMTS**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: CL Application no.: 1080-95

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 For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: **EPO** Application no.: 95923933,6

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 Controlling Power In A Variable Rate Communication System

Country of registration:

Application no.: PI 9506276-9

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:

Project: **UMTS**

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

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.

UMTS Project:

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: Application no.:

S-1667/96

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**

Method For Providing Service And Rate Negotiation In A Mobile Communication System Title:

Country of registration: LIS Application no.: 08/260,192 5638412 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: Qualcomm Inc.

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration: TW Application no.: 84106472 NI-078085 Patent no.: 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 Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project: UMTS

Title: Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration:

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

Country of registration:

Application no.: 9601161-4

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 For Providing Service And Rate Negotiation In A Mobile Communication System Title: RU

Country of registration: Application no.:

96105944

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:

Method For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration:

Application no.: PCT/US95/07685 - WO 95/35002

MY

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 For Providing Service And Rate Negotiation In A Mobile Communication System

Country of registration:

Application no.: PI 9501598

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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 for Providing Service and Rate Negotiation in a Mobile Communication System Title: JΡ

Country of registration:

Application no.: 502512/96

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 Reduced Rate Variable Rate Vocoding

Country of registration: ΑU 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**

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

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 and Apparatus for Testing a Digital Communication Channel

Country of registration: EPO 95942506,7

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 Testing a Digital Communication Channel

Country of registration: ZA

 Application no.:
 95/10109

 Patent no.:
 95/10109

 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 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: Application no.:

RU 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.

Project: UMTS

Title: Method and Apparatus for Testing A Digital Communication Channel

Country of registration: PCT

Application no.: PCT/US95/15534 - WO 96/17454

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 Testing a Digital Communication Channel Country of registration: MX

Country of registration: Application no.:

974019

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which 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 Testing a Digital Communication Channel

Country of registration: MY

Application no.: P19503662

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: 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

Project: UMTS

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration:

Application no.: 116183

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 ID

Country of registration:

P952539

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:

Method and Apparatus for Performing Reduced Rate Variable Rate Vocoding Title: CA

Country of registration: Application no.:

2172062

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: 95197481,5

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**

Method and Apparatus for Testing a Digital Communication Channel Title:

CI 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: 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

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: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: AU

Application no.: 43711/96

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: AR

Country of registration:

Application no.: P950100394

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: 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: TW **Application no.:** 85106

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Notes:

Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: 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

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.:

ID P-951428

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**

Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link Title:

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

Notes:

S1751/96

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System US

Country of registration:

Application no.: Patent no.:

08/278,347 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

Qualcomm Inc. Company name:

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: T\//

Application no.: Patent no.:

Notes:

84107667 NI-080494 TW

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: 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

KR

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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: 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:

7A

95/5809 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration: SG

Application no.: 9607440-6

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

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

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration: Application no.:

9601063

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with 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: Qualcomm Inc.

Project:

UMTS Title: Method and Apparatus for Testing a Digital Communication Channel

Country of registration: KR

Application no.:

703635/1997

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

114667

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

Qualcomm Inc. Company name:

Project: **UMTS**

Method and Apparatus for Testing a Digital Communication Channel

Title: 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:

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

843/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: 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: 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.:

EPO 9592733,5

96/1318

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link Title:

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

Notes:

95190643.7 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.

Proiect:

UMTS

CN

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.:

CL 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.

Project:

UMTS

Title: Method And Apparatus For Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

CA 2169646

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration:

Application no.:

RR PI9506274-2

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 Balancing The Forward Link Hand-off Boundary To The Reverse Link

Hand-off Boundary In A Cellular Communication System

Country of registration:

ΑU Application no.: 31393/95

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 Testing a Digital Communication Channel Title: ٧N

Country of registration:

Application no.: SI9970445

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 RU

Country of registration:

Application no.: 96108811

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 Communication System

Country of registration:

Application no.:

505872/96

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 Providing Redundant Coverage Within A Cellular Communication System

Country of registration: ID

Application no.: P952527

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: BR

PI9510068-7 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.

ΑU

Project: **UMTS** Title:

Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: 45945/96

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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: AR

Application no.: P 95 01 00 284

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 Redundant Coverage Within A Cellular Communication System

Country of registration:

Application no.: 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 Providing Redundant Coverage Within A Cellular Communication System

Country of registration: TW Application no.: 84113229 NI-084088 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

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: ZA Application no.: 95/9997 Patent no.: 95/9997 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.

UMTS Project:

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: RU Application no.: 97112477

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: PCT/US95/15533 - WO 96/17487

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: MY

Application no.: PI 9503636

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 104412 Patent no.: 104412 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.

Project: **UMTS**

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

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

CN

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: 95196330.9

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 and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: IN

Application no.: 1528/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**

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System Title: **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

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

CA

2206101

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: CL Application no.: 1796-95

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 Redundant Coverage Within 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: Qualcomm Inc.

Project: **UMTS**

Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System Title:

Country of registration: RR

Application no.: PI9509928-0

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**

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: ΑIJ Application no.:

42480/96

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 Providing Redundant Coverage Within A Cellular Communication System

Country of registration:

Application no.: 334.436

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. **UMTS**

Project:

Title: System and Method For Reducing Interference Generated By A Digital Communications Device

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.

UMTS Project:

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: MX

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**

Title: Method and Apparatus for Providing Redundant Coverage Within A Cellular Communication System

Country of registration: JP

Application no.: 519040/96

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: Pilot Signal Searching Technique for a Cellular Communications System NO

Country of registration:

Application no.: 97/2306

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CA

Country of registration:

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**

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ΑU

Application no.: 36759/95

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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: SC0831/97

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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: US Application no.: 08/344,321 5577022 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**

Pilot Signal Searching Technique for a Cellular Communications System Title:

Country of registration: UA

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: TW Application no.: 85103856 Patent no.: NI-083424 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**

Pilot Signal Searching Technique for a Cellular Communications 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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: ZA 95/9883 Application no.: 95/9883 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:

UMTS Project:

Pilot Signal Searching Technique for a Cellular Communications 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: Pilot Signal Searching Technique for a Cellular Communications System CA

Country of registration: Application no.:

2203256

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: PCT

Application no.: PCT/US95/15298 - WO 96/16524

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**

Pilot Signal Searching Technique for a Cellular Communications System Title: CL

Country of registration:

1795-95 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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: NZ 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

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:

MXApplication no.: 973723

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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:

MY

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

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

Company name: Qualcomm Inc.

UMTS Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System JΡ

Country of registration:

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

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: IL Application no.: 116091

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

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: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration:

Application no.: 1529/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.

UMTS Project:

Title: Pilot Signal Searching Technique for a Cellular Communications System FΙ

Country of registration:

Application no.: FI971592

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: PCT/US95/12636 - WO 96/12380

RU

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

Qualcomm Inc. Company name:

Project: UMTS

Title: Pilot Signal Searching Technique for a Cellular Communications System

Country of registration: Application no.:

97110197

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: EPÓ Application no.: 95924673,7

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 Performing Search Acquisition In A CDMA Communication System

Country of registration: BR

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 Performing Search Acquisition In A CDMA Communication System

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: Adaptive Sectorization in a Spread Spectrum Communication System

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: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: US Application no.: 08/265,664

Patent no.: 5621752 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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RU 97101122 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 Power in a Variable Rate Communication System

Country of registration: PCT

Application no.: PCT/US95/07970 - WO 96/00466

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: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: Application no.:

MX 966634

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: TW

Application no.: 84111247

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.: FI965180

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.

Project: **UMTS**

Adaptive Sectorization in a Spread Spectrum Communication System Title: CN

Country of registration:

Application no.: 95193756,1

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: Adaptive Sectorization in a Spread Spectrum Communication System

Country of registration: 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

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: BR

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.

ΑU

UMTS Project:

Title: Adaptive Sectorization in a Spread Spectrum Communication System

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.

Project: **UMTS**

Method And Apparatus For Controlling Power In A Variable Rate Communication System Title:

Country of registration: V/N Application no.: S-1752/96

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 Controlling Power In A Variable Rate Communication System

Title: Country of registration: US

Application no.: 08/283,308

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: TW 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.

Project: UMTS

Title: Method And Apparatus For Controlling Power In A Variable Rate Communication System

Country of registration: KR **Application no.:** 701718/96

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 Controlling Power In A Variable Rate Communication System

Country of registration: ZA
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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP Application no.: 503

503342/95

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 Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

96108238

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: 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: 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

Project: UMTS

Title: Method and Apparatus for Hand-off Between Different Cellular Communications Systems

Country of registration:

P-952123

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 Hand-off Between Different Cellular Communications Systems

Country of registration: IN

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**

Method and Apparatus for Hand-off Between Different Cellular Communications Systems Title:

Country of registration: Application no.:

CL 1538-95

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 Hand-off Between Different Cellular Communications Systems Title:

Country of registration: Application no.:

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

Policy, 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: US 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: Application no.:

VN 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 TW

Country of registration:

84108246

Application no.: Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration: KR

701598/96

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

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: CA Application no.: 2172370

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.: 9608543-6

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. **UMTS**

Project:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System Title:

Country of registration: Application no.: 1081-95

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 Performing Search Acquisition In A CDMA Communication System

Country of registration:

Application no.: PCT/US95/08659 - WO 96/04716

MX

MY

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

Qualcomm Inc. Company name:

Project: UMTS

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

Application no.: 9601211

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: PI 9502120

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: JΡ

Application no.: 506511/96

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 Search Acquisition In A CDMA Communication System Title:

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 And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

Application no.: P-951477

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

IN

Application no.:

845/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: Title: UMTS

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration:

FI -----

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

Title:

Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: EPO Application no.: 9592

95926654,5

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 Determining Signal Strength In A Variable Data Rate System

Country of registration: MX
Application no.: 9710144

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UM

Title: Method And Apparatus For Performing Search Acquisition In A CDMA Communication System

Country of registration: ZA
Application no.: 95/5939
Patent no.: 95/5939
Countries applicable: ZA

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: Tempe

Temperature Compensated Automatic Gain Control

Country of registration:
Application no.:

JP 531982/96

Application no.: Notes: 531982/96
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

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration: CN
Application no.: 941

Title:

94190922

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: 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: BR

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:

Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel Title:

Country of registration: AU Application no.: 10558/95 683706 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: Reverse Link, Transmit Power Correction and Limitation in a Radiotelephone System

Country of registration: US Application no.: 08/532,383 Patent no.: 5655220 Countries applicable: US

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/407,543 Patent no.: 5590408 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**

Temperature Compensated Automatic Gain Control Title:

Country of registration: VN

Application no.: S19970959

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Country of registration:

08/426.551

Application no.:

Title:

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

Temperature Compensated Automatic Gain Control

Title: Country of registration:

97119052

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: Reverse Link, Transmit Power Correction and Limitation in a Radiotelephone System

Country of registration: PCT

Application no.: Countries applicable:

PCT/US95/02125 - WO 95/23460

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

978050 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 System For Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit .IP

FΙ

MX

Country of registration:

Application no.: 514538/95

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: Temperature Compensated Automatic Gain Control

Country of registration:

97/3994 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: Temperature Compensated Automatic Gain Control EPO

Country of registration: Application no.:

96913015,2

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: Temperature Compensated Automatic Gain Control CN

Country of registration:

96193979.6 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: Temperature Compensated Automatic Gain Control

Country of registration:

ΑU 55676/96

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

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Title: Country of registration: Application no.: S1385/95

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: 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.

Project: **UMTS**

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: TW Application no.: 85104244

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

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: **7**A 96/2952 Application no.: Patent no.: 96/2952 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

Policy, 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.: 96/4961

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: EPO

Country of registration: Application no.:

95902565,1

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 Facsimile Data Transmission

Country of registration:

Application no.: 94194158.2

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: ĆA

2176591

ĆŃ

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:

BR PI9408064-0

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.

Project: **UMTS**

Title: System and Method for Facsimile Data Transmission

Country of registration:

ΑU 11793/95

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: A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: US Application no.: 08/426,763 Patent no.: 5590406

Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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 of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: VN S1975/96 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:

A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: Application no.: 08/152,162 Patent no.: 5487175

Countries applicable: 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 of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: RH Application no.: 96111813

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: PCT

Application no.: PCT/US94/13093 - WO 95/14358

Countries applicable: Notes:

FPO

FΙ

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration:

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.

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: LIMTS

Title: Method and Apparatus of Providing Time Sensitive Message Over a Variable Delay Channel FΙ

Country of registration:

Application no.: Notes:

95/3418

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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: CN Application no.: 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:

Title: Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration: CA Application no.: 2176590

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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:

Application no.: PI9408065-8

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 of Invoking and Canceling Voice or Data Service from a Mobile Unit Title:

Country of registration: Application no.: 10559/95 Patent no.: 679592 ΑU 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 Of Providing Time Sensitive Message Over A Variable Delay Channel

Country of registration: 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: **UMTS**

Title: Method And System For Providing Communication Between Standard Terminal Equipment Using A

Remote Communication Unit

Country of registration: Application no.: 08/152,158 Patent no.: 5479475 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: 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

PCT/US94/13091 - WO 95/14356 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 of Providing Time Sensitive Message Over a Variable Delay Channel

Country of registration:

KR Application no.: 702894/95

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**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title:

Country of registration: MX

Application no.: 9504538

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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**

A Method of Invoking and Canceling Voice or Data Service from a Mobile Unit

Country of registration:

Title:

Application no.: 514540/95

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

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration:

Application no.: 87309122.7 Patent no.: 0265178 ΙU

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: Alternating Sequential Half Duplex Communication System

Country of registration: **EPO** Application no.: 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

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: RF Application no.: 89902364,2 417099 Patent no.: 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: Alternating Sequential Half Duplex Communication System

Country of registration: Application no.: 89902364.2 Patent no.: 417099 Countries applicable: ΑT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

ΑU 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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: Application no.: 06/921,261 Patent no.: 4901307

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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: GB
Application no.: 87309122,7
Patent no 0265178

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

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: SE
Application no.: 87309122,7
Patent no.: 0265178
Countries applicable: SE

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Application 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: 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: JP

Application no.: 261509/87

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration:

Application no.: 87309122.7 Patent no.: 0265178 IT

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: IL Application no.: 84198 Patent no.: 84198 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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: GR Application no.: 3015768 Patent no.: 0265178 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**

Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters Title:

Country of registration: DE Application no.: 87309122,7 Patent no.: 0265178 DF

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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: Application no.: 87309122.7 Patent no.: 0265178 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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

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.

UMTS Project:

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: Application no.: 549475 Patent no.: 1294074

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

Project: UMTS

Title: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration:

Application no.: 87309122,7 Patent no.: 0265178 Countries applicable: 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: Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters

Country of registration: AT Application no.: 87309122,7 Patent no.: 0265178

Countries applicable: AT

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ES 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

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: AR

Application no.: P960102118

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 MY

Country of registration:

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

Project: **UMTS**

Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System Title: JΡ

Country of registration:

522410/95 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Country of registration: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

IL Application no.:

117831

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

P950337

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration:

Application no.: 96/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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: FΙ

Application no.: 95/5072

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 **EPO**

Country of registration: Application no.:

95911058,6

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: Application no.:

95190118.4

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: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: CL Application no.: 496/96

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.

CA

UMTS Project:

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: 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

Company name: Qualcomm Inc.

Project: **UMTS**

Alternating Sequential Half Duplex Communication System Title:

Country of registration: FR 89902364,2 Application no.: 417099 Patent no.: 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.

Project: UMTS

Title: Reverse Link, Transmit Power Correction And Limitation In A Radiotelephone System

Country of registration: ΑU Application no.: 18797/95 Patent no.: 674475 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

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: Alternating Sequential Half Duplex Communication System

Country of registration: US Application no.: 07/145,176 Patent no.: 4979170 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: Alternating Sequential Half Duplex Communication System

Country of registration: Application no.: 89902364,2 Patent no.: 417099 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**

Alternating Sequential Half Duplex Communication System Title:

Country of registration: CH Application no.: 89902364,2 Patent no.: 417099 CH

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: Alternating Sequential Half Duplex Communication System

Country of registration: Application no.: 89902364.2 Patent no.: 417099 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: Alternating Sequential Half Duplex Communication System

Country of registration: SG 9608554-3 Application no.: 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.

UMTS Project:

Title: Alternating Sequential Half Duplex Communicating System

Country of registration:

Application no.: PCT/US88/04621 - WO 89/06838

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

Project: **UMTS**

Title: Alternating Sequential Half Duplex Communication System

Country of registration:

Application no.: 89902364,2 Patent no.: 417099 Countries applicable: NI

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: IU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JΡ 502240/89 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 Facsimile Data Transmission

Country of registration:

Application no.: PCT/US94/13175 - WO 95/14347

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: BR

Application no.: PI9505674-2

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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: PCT

Application no.: PCT/US95/01831 - WO 95/22210

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

Qualcomm Inc. Company name:

Project: **UMTS**

Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: **EPO** Application no.:

95926183.5

Notes:

Title:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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

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.

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: CA Application no.: 2195984

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 BR

Country of registration: Application no.:

PI9508428-2

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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: Application no.:

30031/95

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: US

Application no.: 08/495.382

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: 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**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: KR Application no.:

704425/96

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:

System and Method for Facsimile Data Transmission

Country of registration: FΪ 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

Project: UMTS

Title: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: ŔŪ

Application no.: 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

ID P951444

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: Dynamic Sectorization In A Spread Spectrum Communication System MX

Country of registration: Application no.:

963371

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JP

Country of registration: 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: Application no.:

ID P950232

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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**

Dynamic Sectorization In A Spread Spectrum Communication System Title:

Country of registration: Application no.:

FΙ 96/3153

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΡΩ Application no.:

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: 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

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: CĹ

Application no.: 145/95

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: Dynamic Sectorization In A Spread Spectrum Communication System CA

Country of registration: 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

Country of registration:

PI9506683-7

ZA

TW

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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: 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.

UMTS Project:

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

Application no.: 84107990

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: LIS Application no.: 08/322,817 5, 697,055 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: Qualcomm Inc.

Project: UMTS

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate 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

Project: UMTS

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration:

Application no.: 118635

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

ID

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: IN

Country of registration:

Application no.: 920/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 Determining Signal Strength In A Variable Data Rate 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**

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: **EPO** Application no.: 96923315.4

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.

CL

UMTS Project:

Title: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: Application no.:

926/96 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 Determining Signal Strength In A Variable Data Rate System Title:

ΑU Country of registration:

Application no.: 63862/96

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 Determining Signal Strength In A Variable Data Rate System

Country of registration: AR 337083 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

Notes:

Application no.: 97/0319

> The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US Application no.: 08/280,095 5604730 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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: IN Application no.:

844/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: Remote Transmitter Power Control In A Contention Based Multiple Access System KR

Country of registration: 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

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: **7**A 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: SG Application no.: 9700545-8

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:

Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration:

RU 97102704

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:

Remote Transmitter Power Control in a Contention Based Multiple Access System

Title: Country of registration:

Application no.:

PCT/US95/08476 - WO 96/03813

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: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: 970632

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: MY

Application no.: PI9502027

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 JΡ

Country of registration: Application no.:

505753/96

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: 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: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: TW Application no.: 84100976 Patent no.: NI-86560 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Remote Transmitter Power Control In A Contention Based Multiple Access System

Country of registration: VN SC0593/97 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: BR

PI9508263-8

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: Dynamic Sectorization In A Spread Spectrum Communication System

Country of registration: ΑU Application no.: 18762/95

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: 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

Country of registration: MY

Application no.: PI9501933

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: JΡ

Country of registration:

Application no.: 504464/96

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: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: 114512

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ID 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.

IN

FΙ

UMTS Project:

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration:

Application no.: 840/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**

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration:

Application no.: 97/0117

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FPO Application no.: 95925608,2

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: 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:

RU 97102112

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: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: Application no.:

CA 2193979

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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**

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration: 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

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: ΑU Application no.:

29693/95

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

Facsimile Data Transmission Over A Low Data Rate Network With Fill Bit Removal And Reinsertion Title:

Country of registration: US Application no.: 08/484,807 Patent no.: 5517323 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:

System and Method for Facsimile Data Transmission

Country of registration: US Application no.: 08/668.135 5563807 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:

Title: System and Method for Reducing Bottlenecks In Low Data Rate Networks Processing Facsimile Data

Transmission Country of registration: US Application no.: 08/484,808 Patent no.: 5566000

US

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

Project: UMTS

Title: Facsimile Data Transmission Over A Low Data Rate Network By One Dimensional Decoding And Two

Dimensional Re-Encoding

Country of registration: US Application no.: 08/484,806 5515177 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: Qualcomm Inc.

Project: **UMTS**

System and Method for Facsimile Data Transmission Title:

Country of registration: Application no.: S1976/96

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:

Project: **UMTS**

System and Method for Facsimile Data Transmission Title:

Country of registration: US Application no.: 08/152,157 Patent no.: 5539531 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: KR 702560/96 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: System and Method for Facsimile Data Transmission ŔŪ

Country of registration: 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: Method And Apparatus For Determining Signal Strength In A Variable Data Rate System

Country of registration: PCT

Application no.: PCT/US96/10458 - WO 97/00562 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Country of registration: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System CL

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

Method And Apparatus For Providing A Communication Link Quality Indication

Title: Country of registration: **EPO**

Application no.: 95910159.3

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

Project: UMTS

Title: System and Method for Facsimile Data Transmission

Country of registration: JĖ

Application no.: 514565/95

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 Providing A Communication Link Quality Indication

Country of registration: KR

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.

UMTS Project:

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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: PCT

Application no.: PCT/US95/01339 - WO 95/21494

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 A Communication Link Quality Indication MX

Country of registration: Application no.:

9504148

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: MY

PI9500169 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: JΡ

520733/95 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 Providing A Communication Link Quality Indication

Country of registration:

Application no.: 112487

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

ID P950151

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:

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

Country of registration: Application no.:

PCT/US95/08660 - WO 96/02097

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: LIMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

Application no.: 95/4617

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: US Application no.: 08/190.517 Patent no.: 5469471

Countries applicable: US

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: CN

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: CL 144/95 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 Providing A Communication Link Quality Indication Title:

Country of registration: CA 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

Project: UMTS

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration:

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**

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: Application no.:

ΑU 18369/95

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 VN

Country of registration: 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.

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control In A Code Division Multiple Access System

Country of registration: Application no.: 08/272,484 5603096 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: Qualcomm Inc.

Project: **UMTS**

Title: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System

Country of registration: TW Application no.: 84107668 Patent no.: NI-082742 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**

Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Title:

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: Reverse Link, Closed Loop Power Control in a Code Division Multiple Access System Country of registration: ZΑ

Application no.:

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:

Title: Method And Apparatus For Providing A Communication Link Quality Indication

Country of registration: IN

98/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

Project: UMTS

Title: Fast and Efficient Packet Transmission System and Method

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.

Project: UMTS

Title: Method And Apparatus For Controlling Transmission Power In a CDMA Mobile Telephone System

Country of registration: JP 500251/93

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: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: AU
Application no.: 68263/90
Patent no.: 646001
Countries applicable: AU

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: US
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: 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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FI Application no.: 97/1423

Notes:

Country of registration: FI

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: Application no.:

96926056.1

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: Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels

Country of registration: CN

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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS**

Project:

Code Acquisition in a Multi-User Communication System Using Multiple Walsh Channels Title: CA

Country of registration: Application no.:

2202621

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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**

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: US

Application no.: 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: 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**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration:

709147/97

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** Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: CA

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

Project: UMTS

Title: Fast and Efficient Packet Transmission System and Method

Country of registration: PCT

Application no.: PCT/US96/09684 - WO 96/42149 Countries applicable:

Ш

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**

Fast and Efficient Packet Transmission System and Method Title:

Country of registration:

118562 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: Fast and Efficient Packet Transmission System and Method

Country of registration:

Application no.: 866/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: Fast and Efficient Packet Transmission System and Method

Country of registration: **EPO** 199800039 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: 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.

UMTS Project:

Title: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration:

Application no.: 08/898,741

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: TW Application no.: 85107055 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Application no.: 96/4962 Patent no.: 96/4962 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

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

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: 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: **UMTS**

Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System Title:

Country of registration:

Application no.: 118652

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration:

Application no.:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

93058305 Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

SG 9704195-8

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

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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 Non-Orthogonal Noise Energy Based Gain Control

Country of registration:

85111161

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 System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: ZA Application no.: 96/7083 96/7083 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 System for Non-Orthogonal Noise Energy Based Gain Control

Country of registration: PCT

PCT/US96/13653 - WO 97/08848 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: Method And System For Non-Orthogonal Noise Energy Based Gain Control

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.

Project: **UMTS**

Title: Method And System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: CL 1465/96 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method And System For Non-Orthogonal Noise Energy Based Gain Control

Country of registration: AR 337948 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: Application no.: 07/433.031 Patent no.: 5056109

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 Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System ΠΑ

Country of registration: 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

Project:

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.: 79109543 Patent no.: NI-50434

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 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 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 Transmission Power in A CDMA Cellular Mobile Telephone System Title:

Country of registration: RR P19007826-8 Application no.: Patent no.: PI9007826-8

Countries applicable: BR

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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 Application no.: 9609122-8

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: Method and Apparatus for Generating Super-Orthogonal Convolutional Codes and the Decoding Thereof

Country of registration: US Application no.: 07/489,677 5193094 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**

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System Title:

Country of registration: RO 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**

Method And Apparatus For Controlling Transmission Power In A CDMA Cellular Mobile Telephone Title:

System PCT

Country of registration:

PCT/US90/06418 - WO 91/07037 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

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration:

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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Title: Country of registration:

MX23215 172367

Countries applicable:

Application no.:

MX

Notes:

Patent no.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc. **UMTS**

Project: Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

MY P19001953 MY104785A

Patent no.: 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: Title:

UMTS

Country of registration:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System JP

Application no.:

515716/90

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: Title:

UMTS

Country of registration:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Application no.: Patent no.:

96218 96218

Countries applicable: Notes:

IL

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

UMTS

Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.: Patent no.:

887/MAS/90 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

Title:

Method and Apparatus for Controlling Transmission Power in A CDMA Cellular Mobile Telephone System HU

Country of registration:

P9303239

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 Controlling Transmission Power in A CDMA Cellular Mobile Telephone System

Country of registration: Application no.:

92/2083

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 FPO

Country of registration:

90916945 0

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: CN

Application no.: 9109758.6 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 **7**A

Country of registration: Application no.:

90/8859

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: **EPO**

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: KR

706897/97 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:

ZA 96/2030

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: ZA Application no.: 96/2030 96/2030 Patent no.: ZA

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 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.

UMTS Project:

Title: Method and Apparatus for Performing Fast Power Control in a Mobile Communication System

Country of registration: PCT Application no.: PCT/US96/04325 - WO 96/31014

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: Method and Apparatus for Performing Fast Power Control in a Mobile Communication System MY

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: LIMTS

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

Country of registration: Application no.:

529674/96

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 Fast Power Control in a Mobile Communication System Title:

Country of registration:

JP.

Application no.: 117687

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

IL 117687

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 Forward Power Control in a Mobile 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

Project: UMTS

Title: Method and Apparatus for Performing Fast 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: Method And Apparatus for Managing Load Conditions In A Wireless Local Loop System

Country of registration: Application no.: 927/96

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 Fast Power Control in a Mobile Communication System Title: ID

Country of registration:

P-960811 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:

Application no.: CN 95190876.6

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

Policy, 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 CN

Country of registration:

Application no.: 96192934

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CL

Country of registration: Application no.:

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.

CL

Project: **UMTS**

Title: Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System

Country of registration: Application no.:

Notes:

422/96

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 Performing Fast Forward Power Control in a Mobile Communication System CL

Country of registration: Application no.:

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

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

Policy, 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:

ΑU 53782/96

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.

UMTS Project:

Method and Apparatus for Performing Fast Power Control in a Mobile Communication System Title: AR

Country of registration: Application no.:

335.810 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration:

P960101810

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: 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.

VN

Project: UMTS

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

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**

Random Access Communications Channel for Data Services Title:

Country of registration: LIS Application no.: 08/412,648 5673259 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: Qualcomm Inc.

Project: UMTS

Title: Random Access Communications Channel For Data Services

Country of registration: KR 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

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: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: 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.

UMTS Project:

Title: Method And Apparatus For Controlling Transmission Power In A CDMA Cellular Mobile Telephone

> System PCT

Country of registration:

Application no.: PCT/US92/04161 - WO 92/21196

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: LIMTS

Title: Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: US Application no.: 08/413.306 Patent no.: 5594718

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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: KR 706898/97 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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: RU

Application no.: 97117981 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: PCT

PCT/US96/04158 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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off

Country of registration: ID Application no.:

P-960849

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Assisted CDMA to Alternative System Hard Handoff

Country of registration:

Application no.: P-960849

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.: 96911435 4

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 Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title: CN

Country of registration:

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.

Project: **UMTS**

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

Country of registration: Application no.:

2216635

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: BR

Application no.: PI9607947-8

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.

ΑU

T\//

UMTS Project:

Method and Apparatus for Mobile Unit Assisted CDMA to Alternative System Hard Hand-off Title:

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**

Method and Apparatus for Performing Fast Forward Power Control in a Mobile Communication System Title:

Country of registration:

Application no.: 85102765

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: AR 335584 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 Power Control in a Mobile Communication System

Country of registration:

Application no.: 85102765

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 System

Country of registration: US

Application no.: 08/579 895

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: Application no.: PCT/US96/20656 - WO 97/24818

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.

UMTS Project:

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.

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

Qualcomm Inc. Company name:

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: PCT

Application no.: PCT/US96/15695 - WO 97/12493

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: Early Detection of Mobile to Mobile

Country of registration: Application no.: P-962770

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Early Detection of Mobile to Mobile

Country of registration:

Application no.: 1718/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: Early Detection of Mobile to Mobile

Country of registration: IN

Application no.: 1718/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: Early Detection of Mobile to Mobile

Country of registration: Application no.:

ID P-962770

Application no.: P-962//

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: ZA
Application no.: 95/8574
Patent no.: 95/8574
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: Early Detection of Mobile to Mobile

Country of registration: AR Application no.: AR 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

Policy, 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: AR
Application no.: 337,111

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS
Title: Method

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.

Project: UMTS

Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: PC

Title:

Application no.: PCT/US96/18293 - WO 97/20402

Patent no.: - PC1/US96/16293 - WO 97/2040.

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS

Title: Spread Spectrum Transmitter Power Control Method and System

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

Company name: Qualcomm Inc.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: IL Application no.: 98598 Patent no.: 98598 Countries applicable: IL

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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: ΙŃ

474/MAS/91 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

Country of registration: HU Application no.: 92/04111

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: FΪ 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**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: **EPO**

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 Generating Signal Waveforms in a CDMA Cellular Telephone System Title: Country of registration: EG

390/91

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**

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System Title:

Country of registration: C7 Application no.: PV3871/92

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CN

Application no.: 91105315.8

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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: CA

Application no.: 2085890

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

BR PI9106592-5

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

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MY
Application no.: PI9101131
Patent no.: MY108626
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: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: US

Application no.: 08/558,55

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MX
Application no.: 26360
Patent no.: 173818
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: Signal Acquisition Via Repeated Access Probe Transmission

Country of registration: AR

Application no.: P 96 01 05 407

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

Project: UMTS

Title: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: Application no.: 07/432,552 Patent no.: 5109390

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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: KR Application no.: 700705/91

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: Diversity Receiver In A CDMA Cellular Telephone System

Country of registration: PCT

PCT/US90/06417 - WO 91/07036 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: 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: Diversity Receiver in a CDMA Cellular Telephone System

Country of registration: MX Application no.: 23211 Patent no.: 173030 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.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: Application no.: PI9001952

Patent no.: MY104809A MY

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

Qualcomm Inc. Company name:

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title: JΡ

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

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 licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 IN

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: FΙ Application no.: 92/2082

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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.:

FPO 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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: AR 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:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: 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.

Project: **UMTS**

Title: System and Method for Reducing Interference Generated by a Digital Communication System

Country of registration: PCT

Application no.: PCT/US97/06326 - WO 97/39537

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.

Project: **UMTS**

Title: GSM Network compatible CDMA based air interface

Country of registration: 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

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

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**

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction Title:

with the GSM A-Interface Telecommunications Network Protocol ZΑ

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:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

PCT

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:

Project:

Qualcomm Inc.

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.:

2079/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:

Project:

Qualcomm Inc. **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:

P-970030

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with 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:

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

97/2991

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: Title:

UMTS

Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.:

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

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.:

CL 2274-96

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: Wireless Telecommunications System Utilizing CDMA Radio Frequency Signal Modulation in Conjunction

with the GSM A-Interface Telecommunications Network Protocol

Country of registration:

Application no.: 16893/97

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

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:

AR

Application no.: 96/10718

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: JP

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**

Frequency Tracking for Communication signals Using M-ary Orthogonal Walsh Modulation Title:

Country of registration: PCT

Application no.:

PCT/US97/06379 - WO 97/37437

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.

Project: **UMTS**

Diversity Receiver in a CDMA Cellular Telephone System Title:

Country of registration: Application no.: 68748/91 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title:

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: US 07/543,496 Application no.: Patent no.: 5103459 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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: TW 80105598 Patent no.: NI-54919

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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: KR Application no.: KR 703318/92

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: ZA 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: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: SK
Application no.: PV3871/92

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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.

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: SA Application no.: 92120519

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: RU

Application no.: 92016467

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: RO
Application no.: 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

Project: UMTS

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

98079

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: PCT

Application no.: PCT/US91/04400

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.

NO

US

UMTS Project:

Title: System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System

Country of registration: Application no.:

Notes:

92/5019 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: UMTS

Title: Frequency Tracking for Orthogonal Walsh Modulation

Country of registration:

08/625.481 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System JP.

Country of registration:

Application no.:

501047/91 - WO 89/06884

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Adaptive Despreader

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: Adaptive Despreader

Country of registration: ID Application no.: P962182

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: CL Application no.:

1237/96

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

Company name: Qualcomm Inc.
Project: UMTS

Title: Adaptive Despreader

Country of registration: AR
Application no.: 337,599

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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

Country of registration:

Application no.:

Patent no.:

Countries applicable:

System
US
07/433,030
5101501
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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: KR **Application no.:** KR 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

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: ZA
Application no.: 90/8857
Patent no.: 90/8857
Countries applicable: ZA

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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

Country of registration:
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.

Project: UMTS

Title: Soft Handoff In A CDMA Cellular Telephone System

Country of registration: PCT Application no.: PCT WO 91/07020

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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: NO Application no.: 92/1793

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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: JP Application no.: 501047/91

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**

Adaptive Despreader Title:

Country of registration: ZA Application no.: 96/6011 Patent no.: 96/6011 Countries applicable: 7A

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: IN 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: FΙ Application no.: 92/2081

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: Application no.: 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: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration:

Application no.: 90109068.8

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**

Soft Hand-off in Communications in a CDMA Cellular Telephone System Title:

Country of registration: Application no.:

BR PI9007828-4

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**

Title: Soft Hand-off in Communications in a CDMA Cellular Telephone System

Country of registration: Application no.:

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

licenses under the IPRs on terms and conditions which are 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: Transmitter Power Control System

Country of registration: US Application no.: 07/773,067 Patent no.: 5267262 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: Transmitter Power Control System

Country of registration: **PCT**

Application no.: PCT/US92/08613 - WO 93/07702

Countries applicable:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: **UMTS**

Title: Transmitter Power Control System JΡ

Country of registration: Application no.:

Notes:

507203/93

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

Project: UMTS

Title: Method and Apparatus for Controlling Transmission Power in a CDMA Cellular Mobile Telephone System

Country of registration:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MY Application no.: PI9001938 Patent no.: MY10591A

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.

UMTS Project:

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 Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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**

Mobile Station Assisted Soft Hand-off in a CDMA Cellular Communications System Title:

Country of registration: US Application no.: 08/226,222 Patent no.: 5640414

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 Station Assisted Soft Hand-off in a CDMA Cellular Communications System

Country of registration: US Application no.: 07/847,148

5267261 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**

Same Frequency, Time-Division-Duplex Repeater Title:

Country of registration: LIS 08/522,469 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: Time Division Duplex Repeater for use in a CDMA System

Country of registration: PCT

PCT/US96/13868 - WO 97/08854 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**

Same Frequency, Time-Division-Duplex Repeater Title:

Country of registration: .IP

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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 Time Division Duplex Pilot

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: TW Application no.: 85113571 Patent no.: NI-087166 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 Time Division Duplex Pilot

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 Apparatus for Time Division Duplex Pilot Signal Generation Title:

Country of registration:

Application no.: PCT/US96/13009 - WO 97/07646

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

Qualcomm Inc. Company name:

Project: UMTS

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:

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration: 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

Project: UMTS

Title: Adaptive Despreader

Country of registration: MY

Application no.: PI9603097

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

ID P-962322

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: Adaptive Depressor PCT

Country of registration: 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

Title: Method and Apparatus for Time Division Duplex Pilot

Country of registration:

CL Application no.: 1340/96

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 Time Division Duplex Pilot

Country of registration: AR

Application no.: 337753

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Application no.: 08/518,217

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI 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 Processing The Plurality Of Multiple Access Transmissions

Country of registration: TW Application no.: 85111160

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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.: 96/7115 Patent no.: 96/7115 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

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

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.

.IP

Project: **UMTS**

Method And System For Processing The Plurality Of Multiple Access Transmissions 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 System For Processing The Plurality Of Multiple Access Transmissions Title:

Country of registration: Application no.:

1467/96

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 System For Processing The Plurality Of Multiple Access Transmissions

Country of registration: Application no.:

Notes:

337987

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

licenses under the IPRs on terms and conditions which are 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: Adaptive Despreader

Country of registration: Application no.: US 08/509,722 Patent no.: 5692006 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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project:

Title: Diversity Receiver in a CDMA Cellular Telephone System CA

Country of registration: Application no.:

2072876

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 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: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration:

ΙĹ 119217

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 Providing Broadcast Messages in a Communications Network

Country of registration:

BR PI9509104-1

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

Qualcomm Inc. Company name:

Project: **UMTS**

Title:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System KR

Country of registration: 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

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: TW Application no.: 84109312 Patent no.: NI-077779 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: Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Country of registration: US Application no.: 08/304,730 Patent no.: 5475870 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 Adding and Removing a Base Station from a Cellular Communication System

Country of registration: VN Application no.: S-1917/96

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: 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

Project: UMTS

Title: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Country of registration: AR

Application no.: 338069

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System 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:

Title:

UMTS

Title: Country of registration:

Apparatus and Method for Controlling Transmit Power In A Cellular Communication System ID

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.

Project:

UMTS

Country of registration:

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Application no.:

96112146

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 Transmission Power in a Cellular Communications System

PCT

Country of registration: Application no.:

Countries applicable:

PCT/US96/14406 - WO 97/09794

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

ZA

Country of registration: ZA
Application no.: 96/6929
Patent no.: 96/6929

Countries applicable:

29

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

tion: EPO 96907122,4

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: UMT Title: Meth

Method And Apparatus For Providing Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels

Country of registration:

CL 198/96

Application no.: 198/96
Notes: The St

The SIGNATORY and/or its AFFILIATES hereby declare that they are 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.:

CA 2213998

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**

Apparatus and Method for Controlling Transmit Power In A Cellular Communication System Title:

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 US

Country of registration:

Application no.: 08/525.899

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

Qualcomm Inc. Company name:

UMTS Project:

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.:

AR P960101207

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Apparatus and Method for Controlling Transmit Power In A Cellular Communication System

Title: Country of registration:

CL 1047-96

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

Qualcomm Inc.

Company name: UMTS

Project:

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels IN

Country of registration:

Application no.:

194/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: Title:

UMTS Method And Apparatus For Providing Variable Rate Data In A Communications System Using

Non-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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method And Apparatus For Providing Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels

Country of registration: T\// Application no.: 85101612 Patent no.: NI-080310

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 Providing Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels

Country of registration: KR

Application no.:

705935/97

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.

Project: **UMTS**

Method And Apparatus For Providing Variable Rate Data In A Communications System Using Title:

Non-Orthogonal Overflow Channels

Country of registration: ZA Application no.: 96/1025 Patent no.: 96/1025 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 Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels

Country of registration: RU Application no.: 97115902

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: PCT

Application no.: Countries applicable: PCT/US96/02607 - WO 96/27250

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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.:

PI9600555

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: ZΑ Application no.: 95/7614 Patent no.: 95/7614 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 Providing Variable Rate Data In A Communications System Using

Non-Orthogonal Overflow Channels

Country of registration: IL Application no.:

117275

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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: CA Application no.: 2200962

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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**

IŃ

ID

IL

JΡ

115249

1104/MAS/95

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.

Project: **UMTS**

Title:

Country of registration:

Application no.:

Notes:

P-951825 The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

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.:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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:

Title:

Application no.: 510315/96

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**

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System Country of registration: MY

Application no.:

PI 9502623

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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: MX

Application no.: 961732

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are 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 Communications System

Country of registration:

PCT Application no.:

Countries applicable:

PCT/US95/11616 - WO 96/08936

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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 Title:

Non-Orthogonal Overflow Channels

Country of registration: JΡ

Application no.:

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**

Title: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: V/N

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 ΑIJ

Country of registration:

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**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding IJΑ

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.

UMTS Project:

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: TW Application no.: 85104166 NI-082567 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 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

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: RU Application no.: 97114099

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: PCT

Application no.: PCT/US96/01166 - WO 96/23297

N7

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 and Apparatus for Detection and Bypass of Tandem Vocoding Title:

Country of registration:

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**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: VN

Application no.: S19970681

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are 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: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: TW 84110059 Application no.: Patent no.: NI-082682 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**

Method And Apparatus For Joint Transmission Of Multiple Data Signals In Spread Spectrum Title:

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**

Method and Apparatus for Providing Broadcast Messages in a Communications Network Title:

Country of registration: US

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:

Notes:

48598/96 Application no.:

ΑU

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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.: PI9606800-0

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

Project: UMTS

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration:

Application no.: 523051/96

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 Detection and Bypass of Tandem Vocoding

Country of registration: ID

P-962031

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: IN

Country of registration: Application no.:

25/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: **EPO**

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.

Project: **UMTS**

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

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.

UMTS Project:

Title: Method and Apparatus for Detection and Bypass of Tandem Vocoding

Country of registration: MY

Application no.: PI 9600272

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

JΡ Country of registration:

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: CL Application no.: 1473-95

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 Providing Broadcast Messages in a Communications Network

Country of registration:

Application no.: 95196456.9

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: Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: FPO

Application no.: 95933968

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

Random Access Communications Channel For Data Services Title:

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: 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

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 CL

FΙ

Country of registration:

Application no.: 1659/96

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 Providing Broadcast Messages in a Communications Network Title: IN

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 Detection and Bypass of Tandem Vocoding

Country of registration: US

08/378.300 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 Providing Broadcast Messages in a Communications Network

Country of registration: IL 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

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.:

ID P960477

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of 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 Providing Broadcast Messages in a Communications Network

MY

Application no.:

Notes:

PI 9502754

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Country of registration:

MX

Application no.: Notes:

972237

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with 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:

Qualcomm Inc.

LIMTS Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: PCT

Application no.:

Countries applicable: Notes:

PCT/US95/12389 - WO 96/10895

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: Title:

UMTS Method and Apparatus for Providing Broadcast Messages in a Communications Network

Country of registration: Application no.:

RU 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: Country of registration: Method and Apparatus for Providing Broadcast Messages in a Communications Network SG

Application no.:

9701524-2

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: Title:

UMTS

Country of registration:

Method and Apparatus for Providing Broadcast Messages in a Communications Network

Application no.: Patent no.:

ZA 95/7816 95/7816

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 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

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.:

AR P960101351

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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:

Country of registration:

Application no.:

Notes:

P-951993

ID

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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 VN

Country of registration:

Application no.: SI9971019

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

LIMTS Project:

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Notes:

UA The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: US Application no.: 08/382,472 Patent no.: 5544223 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

Qualcomm Inc. Company name:

Project: **UMTS**

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: VN

Application no.:

S19970671

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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: ΑU Application no.:

61458/96

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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: MX

Application no.: 976979

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared 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: F

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

Apparatus and Method for Adding and Removing a Base Station from a Cellular Communication System

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc.

Project: Title: UMTS

Country of registration:

EPO

Application no.:

95934418,5

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: Random Access Communications Channel for Data Services **Country of registration:** JP

Country of registration: Application no.:

535004/96

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

Country of registration:

97/3654

EPO

BR

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

Company name: Qualcomm Inc.

Project: UMTS

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration:

Application no.: 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.

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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration:

CN 96192618.X

Application no.: Notes:

192618.X

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 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: Meth

UMTS
Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: TW

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

Project: UMTS

Title: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: Application no.: 52985/96

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 of Searching for a Bursty Signal

Country of registration: AR

Application no.: 336 402

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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: Application no.:

US 08/436,029

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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: Application no.: 85104646 NI-084157 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 of Searching for a Bursty Signal

Country of registration: KR 707876/97 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: Method of Searching for a Bursty Signal

Country of registration: ZA Application no.: 96/3188 Patent no.: 96/3188 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 of Searching for a Bursty Signal

Country of registration: **PCT**

Application no.: PCT/US96/07567 - WO 96/35268

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 of Searching for a Bursty Signal

Country of registration: MX 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

Project: UMTS

Title: Method of Searching for a Bursty Signal

Country of registration: MY

Application no.: PI 9601523

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the 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: 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: Method of Searching for a Bursty Signal

Country of registration: IL 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**

Title: Method of Searching for a Bursty Signal

ID

Country of registration:

P961192

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 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

Qualcomm Inc. Company name:

Project: **UMTS**

Method of Searching for a Bursty Signal 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 Searching for a Bursty Signal

Country of registration:

EPO 96919001.6

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: Direct Digital Synthesizer Driven PLL Frequency Synthesizer With Clean-Up PLL

Country of registration: BR

Application no.: PI9607869-3

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

Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

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.

Project: **UMTS**

Title: Method of Searching for a Bursty Signal

Country of registration: CL 634/96

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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

RU 97114841

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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:

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Qualcomm Inc. Company name:

Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: ZA Application no.: 96/0226 Patent no.: 96/0226 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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: Application no.:

MX975787

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, 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: JP

523785/96 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**

Random Access Communications Channel for Data Services Title:

Country of registration: PCT

PCT/US96/06930 - WO 96/37079 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

Project: UMTS

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.: 116945

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 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:

P-960227

ID

IN

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 Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration:

Application no.:

Notes:

58/MAS/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. **UMTS**

Project:

Title: Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop **EPO**

Country of registration:

Application no.:

96903788,6

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Company name: Qualcomm Inc

Project: **UMTS**

Title:

Method and Apparatus for Paging A Concentrated Subscriber System for Wireless Local Loop

Country of registration: CL Application no.: 44-96

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.

UMTS Project:

Title: Random Access Communications Channel For Data Services

Country of registration:

Application no.: 978855

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

MX

licenses under the IPRs on terms and conditions which are in accordance 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:

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: Robert Bosch GmbH

Project: **UMTS** Title:

TD-CDMA, W-CDMA

Country of registration:

Notes:

Robert Bosch GMBH has confirmed that it is prepared to grant irrevocable licenses under its IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, provided that the

patents it has become essential for the TD-CDMA and/or the W-CDMA proposal(s).

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 97112107
Patent no.: ZA 94/10066
Countries applicable: RU

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 95/10789
Patent no.: ZA 94/10066

Countries applicable: ZA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Power Adaption in a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

Patent no.: ZA 97/6885

Countries applicable: ZA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Enhanced Cellular Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

Patent no.: ZA 97/1819

Countries applicable: ZA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 2.208.041
Patent no.: ZA 94/10066

Countries applicable: CA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 2411/DEL/95
Patent no.: ZA 94/10066

Countries applicable: IN

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

Application no.: -

Patent no.: ZA 94/10066 Countries applicable: UA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 95/090
Patent no.: ZA 94/10066

Countries applicable: NA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: PCT/GB95/02972
Patent no.: ZA 94/10066

Countries applicable: PCT

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA
Application no.: 95941197.6
Patent no.: ZA 94/10066

Countries applicable: EU

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: 8-519339 Patent no.: ZA 94/10066

Countries applicable: JΡ

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: Application no.: 08/849.875 Patent no.: ZA 94/10066 US

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Method of Operating a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA

ZA 97/5022 Patent no.: Countries applicable: ZA

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Method of Operating a Network ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration:

ZA 97/1017 Patent no.:

Countries applicable: ZΑ

Salbu Research & Development (pty) Ltd. Company name:

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: **7**A PI9503918 Application no.: ZA 94/10066 Patent no.:

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZA Application no.: P972825 Patent no.: ZA 94/10066 NO

Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: ZA

AP/P/96/00779 Application no.: Patent no.: ZA 94/10066 ARIPO Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: UMTS

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

ZΑ Country of registration: Application no.: P952732 ZA 94/10066 Patent no.:

Countries applicable: ID

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA Application no.: 42682/96 ZA 94/10066 Patent no.: Countries applicable: AU

Company name: Salbu Research & Development (pty) Ltd.

Project:

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration:

PI9510251-5 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: ZA

95197655.9 Application no.: Patent no.: ZA 94/10066 Countries applicable:

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA) Title:

Country of registration: Application no.: 97-704132 Patent no.: ZA 94/10066

Countries applicable: KR

Company name: Salbu Research & Development (pty) Ltd.

Project: **UMTS**

Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)

Country of registration: ZA 297514 Application no.: Patent no.: ZA 94/10066

Countries applicable: ΝZ

Company name: Samsung Electronics Corporation (SEC)

Project: UMTS

Country of registration:

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 transmitting information in a digital radio system

Country of registration: US 5 648 967 Patent no.:

Countries applicable: US

Company name: Siemens Project: UMTS

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration: DE

EP 1 064 810 Patent no.:

Countries applicable:

EPO ETSI Deliverable:

TS 33.102; TS 133 102; TS 22.101; TS 122 101; TS 31.102; TS 131 102 Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Siemens Company name: Project: UMTS

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration:

KR 42024/01 Application no.:

Countries applicable: KR

ETSI Deliverable: TS 33.102; TS 133 102; TS 22.101; TS 122 101; TS 31.102; TS 131 102

DE

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Company name: Siemens Project: UMTS

Title: Method and communication network for the administration of supplementary services

Country of registration: DE

DE 19717588 Patent no.:

Countries applicable: DF

ETSI Deliverable: TS 23.078; TS 123 078; TS 29.002; TS 129 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

Title: Method and arrangement for joint channel estimation in a digital multiple access communication system

Country of registration: Patent no.: 4 212 300 Countries applicable: DE

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DF

Application no.: CN 1325603

Countries applicable: CN

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name: Project: **UMTS** TD-CDMA Title:

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)

Siemens Company name: Project: **UMTS**

TD-CDMA, W-CDMA Title:

Country of registration:

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 communication network for the administration of supplementary services DE

Country of registration:

Application no.: US 09/403.665

Countries applicable: US

ETSI Deliverable: TS 23.078; TS 123 078

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens Project: **UMTS**

Title: Method and communication network for the administration of supplementary services

Country of registration: DF

Application no.: US 09/403,665

Countries applicable:

US **ETSI Deliverable:**

TS 23.078; TS 123 078; TS 29.002; TS 129 002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name: Project: **UMTS**

Title: Method and communication network for the administration of supplementary services

Country of registration: DE

Application no.: CN 1253698

Countries applicable: CN

ETSI Deliverable: TS 23.078; TS 123 078; TS 29.002; TS 129 002

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

Title: Method and communication network for the administration of supplementary services

Country of registration:

Patent no.: EP 0 978 206

Countries applicable: **EPO**

ETSI Deliverable: TS 23.078; TS 123 078; TS 29.002; TS 129 002

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Data transfer with interruption phases

Country of registration:

Patent no.: EP 1 075 738

Countries applicable: **EPO**

ETSI Deliverable: TS 25.212; TS 125 212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Data transfer with interruption phases Title:

Country of registration: DE

Patent no.: CN 1285983

Countries applicable:

CN ETSI Deliverable: TS 25.212; TS 125 212

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Method for data transmission in a mobile radio system, mobile station and base station Title:

Country of registration: DF EP 1 125 463 Application no.: Countries applicable: **EPO**

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DF

Application no.: EP 1 125463

Countries applicable: **EPO**

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Siemens **UMTS** Project:

Data transfer with interruption phases Title:

Country of registration: DE Application no.:

US 09/699,835

Countries applicable: US

TS 25.212; TS 125 212

ETSI Deliverable: Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DF

Application no.: BR PI9913838-7

Countries applicable: BR

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens **UMTS** Project:

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration: DF

Application no.: US 09/646,675

Countries applicable: US

ETSI Deliverable:

TS 33.102; TS 133 102; TS 22.101; TS 122 101; TS 31.102; TS 131 102
The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes: licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DE

IN/PCT/01/00457 Application no.:

Countries applicable: **EPO**

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: UMTS

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DF

Application no.: JP 12-580408

Countries applicable: JΡ

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration:

ETSI Deliverable:

Notes:

DE KR 80939/01

Application no.: Countries applicable: KR

TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for data transmission in a mobile radio system, mobile station and base station

Country of registration: DE

Patent no.: US 6389300

Countries applicable: US

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

Title: Method for jam-resistant communication transmission

Country of registration:

Patent no.: US 4 843 612

Countries applicable: **ETSI Deliverable:**

US TS 25.212; TS 125.212

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method for jam-resistant communication transmission

Country of registration:

Patent no.: CA 1238951

Countries applicable: CA

ETSI Deliverable: TS 25.212; TS 125.212

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

> licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Method for setting up a connection between plurality of cellular networks Title:

Country of registration: DF

Patent no.: EP 0 675 663

Countries applicable: **EPO**

ETSI Deliverable: TS 23.079; TS 123 079; TS 23.003; TS 123 003; TS 22.079; TS 122 079

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Telecommunications network as well as subscriber stations and central station for a Telecommunications

network DF

Country of registration: Patent no.: DE 36 38 735

Countries applicable: DE

ETSI Deliverable: TS 22.101; TS 122 101; TS 22.016; TS 122 016

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone

network and a mobile subscriber station

Country of registration: DE

Application no.: EP 0 771 125

Countries applicable: **EPO**

ETSI Deliverable: TS 25.211; TS 125 211; TS 25.221; TS 125 221; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are subject to the condition that those who seek licenses agree to reciprocate.

Siemens Company name: Project:

Method and arrangement for transmitting data between a cellularly constructed mobile radiotelephone Title:

network and a mobile subscriber station

Country of registration: DE

Patent no.: US 5943327

Countries applicable: US

TS 25.211; TS 125 211; TS 25.221; TS 125 221; TS 25.331; TS 125 331

ETSI Deliverable: Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: DE 19812215 DF

DF

DF

Countries applicable: ETSI Deliverable:

TS 33.102; TS 133 102; TS 22.101; TS 122 101; TS 31.102; TS 131 102

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Title: Method, mobile station and radiocommunication system for controlling safety related functions in

communication handling

Country of registration:

Application no.: JP 12-537394

Countries applicable: JΡ

ETSI Deliverable: TS 33.102; TS 133 102; TS 22.101; TS 122 101; TS 31.102; TS 131 102

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Siemens Project: **UMTS**

Method for data transmission in a mobile radio system, mobile station and base station Title:

Country of registration: DE

AU 16485/00 Application no.:

Countries applicable: ΑU

ETSI Deliverable: TS 25.212; TS 125 212; TS 25.215; TS 125 215; TS 25.225; TS 125 225; TS 25.304; TS 125 304; TS

25.133; TS 125 133; TS 25.331; TS 125 331

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL. Such licenses are

subject to the condition that those who seek licenses agree to reciprocate.

Company name: Telia AB Project: **UMTS**

Country of registration: Patent no.:

Countries applicable:

SF

Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI

Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards

504 511

Company name: Telia AB Project: **UMTS** Country of registration:

Patent no.:

505 006 Countries applicable:

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:

507 640 Patent no.:

Countries applicable:

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: **UMTS** Country of registration:

Patent no.:

GSM 05.61735

Countries applicable: BE, CH, DE, FR, LI, NL Notes:

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB **UMTS**

Project:

Country of registration: Patent no.:

Countries applicable:

Notes:

2265259 GB

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 **UMTS** 9401948-6

SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Country of registration: Application no.:

Countries applicable:

Notes:

Telia AB **UMTS**

95930765.3 **EPO**

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 **UMTS**

9501066-6 SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project:

Telia AB **UMTS**

Country of registration: Application no.:

Countries applicable:

Notes:

19984179 NO

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project:

Telia AB **UMTS**

Country of registration: Patent no.:

Countries applicable:

Notes:

505 039

SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Telia AB **UMTS**

Country of registration: Application no.:

Countries applicable:

Notes:

PCT/SE97/00203 EPO, 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 **UMTS**

Project:

Country of registration: Application no.:

9602399-9

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:

Project:

Telia AB **UMTS** 9602401-3

Application no.: Countries applicable:

Notes:

Country of registration:

SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Telia AB **UMTS** Country of registration:

Application no.:

Countries applicable:

Notes:

97904710.7

EPO

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 **UMTS**

PCT/SE98/01157 EE, EPO, 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:

Project:

Telia AB **UMTS**

Country of registration: Application no.:

Countries applicable:

Notes:

9704863-1 SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the

belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company name:

Project:

Country of registration:

Application no.:

Countries applicable:

Notes:

Telia AB **UMTS**

PCT/SE98/02357

EE, EPO, 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:

Project:

Country of registration:

Application no.: Countries applicable:

Notes:

Telia AB **UMTS**

9801027-5 SF

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Telia AB **UMTS**

Project:

Country of registration: Application no.:

9801621-5

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:

Telia AB **UMTS**

Country of registration: Application no.:

Countries applicable:

Notes:

9702266-9 SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name: Project:

Country of registration:

Application no.: Countries applicable:

Notes:

Telia AB **UMTS** 84193

JΡ

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 **UMTS**

9702390-7 SE

This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI

Standards.

Company name:

Project:

UMTS

Country of registration:

Notes:

Texas Instruments

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: 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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CELLULAR HANDOFF APPARATUS AND METHOD

Country of registration: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

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 701816
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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: US
Patent no.: 5081643
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: 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: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

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

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: NZ
Patent no.: 290723
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 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 MULTIPATH RECEIVER APPARATUS AND METHOD

Country of registration: EPO 515624
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: 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

licenses under the IPRs on terms and conditions which 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: InterDigital Technology Corp.

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

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

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.

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

Project: UMTS/CDMA

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: EPO Patent no.: 515610 EPO 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: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: SG Patent no.: 43891 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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: US
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.

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: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

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

Title: ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER

Country of registration: CA
Patent no.: 2091783
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: 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

Project: UMTS/CDMA

Title: MULTI-CHANNEL VITERBI DECODER

Country of registration: US 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: A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT

CODES
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: A METHOD OF CONTROLLING INITIAL POWER RAMP-UP IN CDMA SYSTEMS BY USING SHORT

CODES US 5841768

Patent no.: 584 Countries applicable: US

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: 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: 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: US
Patent no.: 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.: 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

UMTS/CDMA Project:

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration: US Patent no.: 5835527

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 SYSTEM AND METHOD Title:

Country of registration: US 5673286 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

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM

Country of registration: US Patent no.: 5553062 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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

SPREAD SPECTRUM SYSTEM AND METHOD Title:

Country of registration: US Patent no.: 5574747 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

SPREAD SPECTRUM SYSTEM AND METHOD Title:

Country of registration: TW Patent no.: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

UMTS/CDMA Project:

Title: SPREAD SPECTRUM SYSTEM AND METHOD

Country of registration: IL Patent no.: 116444

IL

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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

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

Project: UMTS/CDMA

Title: CDMA/TDMA SPREAD SPECTRUM COMMUNICATIONS SYSTEM AND METHOD

Country of registration: US

Patent no.: RE. 35,402

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

CDMA/TDMA SPREAD SPECTRUM COMMUNICATIONS SYSTEM AND METHOD Title:

Country of registration: US 5260967 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.

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

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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:

SPREAD SPECTRUM CDMA SUBTRACTIVE INTERFERENCE CANCELER SYSTEM Title:

Country of registration: US Patent no.: 5719852 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.: 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.

UMTS/CDMA Project:

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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Patent no.: 5274665

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/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: 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: 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: 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: 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: CA
Patent no.: 2091784

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: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: ZA
Patent no.: 96/5340
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/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

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

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: US
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

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: 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 $\ensuremath{\mathsf{ESSENTIAL}}.$

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

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: TW

Patent no.: NI-090280

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: InterDigital Technology Corp.

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: PK
Patent no.: 136521
Countries applicable: PK

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: 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.: 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: NA 96/0050 Patent no.: Countries applicable: NA

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licenses under the IPRs on terms and conditions which are 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:

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: Aripo Patent no.: AP682 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: 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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: US Patent no.: 5991329 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/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: 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.

InterDigital Technology Corp Company name:

Project: UMTS/CDMA

BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM Title:

Country of registration: US 5799010 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.

InterDigital Technology Corp. Company name:

Project: UMTS/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: US Patent no.: 6212174 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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Patent no.: 5179572 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

ADAPTIVE POWER CONTROL FOR A SPREAD SPECTRUM TRANSMITTER Title:

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

licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: InterDigital Technology Corp.

UMTS/CDMA Project:

Title: 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.

InterDigital Technology Corp. Company name:

UMTS/CDMA Project:

OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM Title:

Country of registration: US Patent no.: 5974039

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/CDMA

Title: BROADBAND CODE DIVISION MULTIPLE ACCESS IN A COMMUNICATION SYSTEM

Country of registration: US
Patent no.: 5748687

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.: 5506864

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.: 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

Policy, in respect of the STANDARD, to the extent that the IPRs remain $\ensuremath{\mathsf{ESSENTIAL}}.$

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.: 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.: 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

Project: UMTS/CDMA

Title: OVERLAYING SPREAD SPRECTRUM CDMA COMMUNICATIONS SYSTEM

Country of registration: US
Patent no.: 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: 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: 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

V5 Interface

Company name: Nokia Corporation

Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: FPO 98901989.8 Application no.: **ETSI Deliverable:** EN 300 324-1

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: V5 Interface

Procedure for the processing of an unexpected disconnect request Title:

Country of registration: JP Application no.: 10-532569 ETSI Deliverable: EN 300 324-1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: Application no.: 99119068 **ETSI Deliverable:** EN 300 324-1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: V5 Interface Project:

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: Application no.: 98801728.8 ETSI Deliverable: EN 300 324-1

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Nokia Corporation Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: CA Application no.: 2277219 **ETSI Deliverable:** EN 300 324-1

Notes: The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Nokia Corporation Company name: Project: V5 Interface

Title: Procedure for the processing of an unexpected disconnect request

Country of registration: US

09/368238 Application no.: Patent no.: 6324281 **ETSI Deliverable:** EN 300 324-1

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

VDSL

Company name: Marconi Communications Ltd.

Project:

Title: High Speed digital subscriber lines

Country of registration: PCT

GB94 / 02492 Pending Application no.:

Patent no.:

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.

Company name: Marconi Communications Ltd.

Project: **VDSL**

High speed digital subscriber lines Title:

Country of registration: GB Application no.: 9421751.0 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:

High speed digital subscriber lines Title:

Country of registration: ΑU Application no.: 81494 / 94 Patent no.: 688814 Countries applicable: ΑU **ETSI Deliverable:** TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR

Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL.

Company name: Marconi Communications Ltd.

Project: **VDSL**

Title: High speed digital subscriber lines

Country of registration: UŠ

Application no.: 08 / 334 838 Patent no.: 5668802 Countries applicable: US **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.

Company name: Marconi Communications Ltd.

VDSI Project:

Title: High speed digital subscriber lines

Country of registration: **EPO** 94307769.3 Application no.: P.69416641.3 Patent no.: Countries applicable: DE **ETSI Deliverable:** TS 101 270-2

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable Notes:

licences under the IPRs on terms and conditions which are in accordance 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: High speed digital subscriber lines

Country of registration: EPO 94307769.3 Application no.: Patent no.: 0653859 Countries applicable: ES, FR, IT, SE **ETSI Deliverable:** TS 101 270-2

Title:

Notes:

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable

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 (Withdrawn)
V1.4.1	November 1999	Publication (Withdrawn)
V1.5.1	December 2000	Publication (Withdrawn)
V1.6.1	August 2001	Publication (Withdrawn)
V1.7.1	December 2001	Publication (Withdrawn)
V1.8.1	April 2002	Publication (Withdrawn)
V1.9.1	November 2002	Publication