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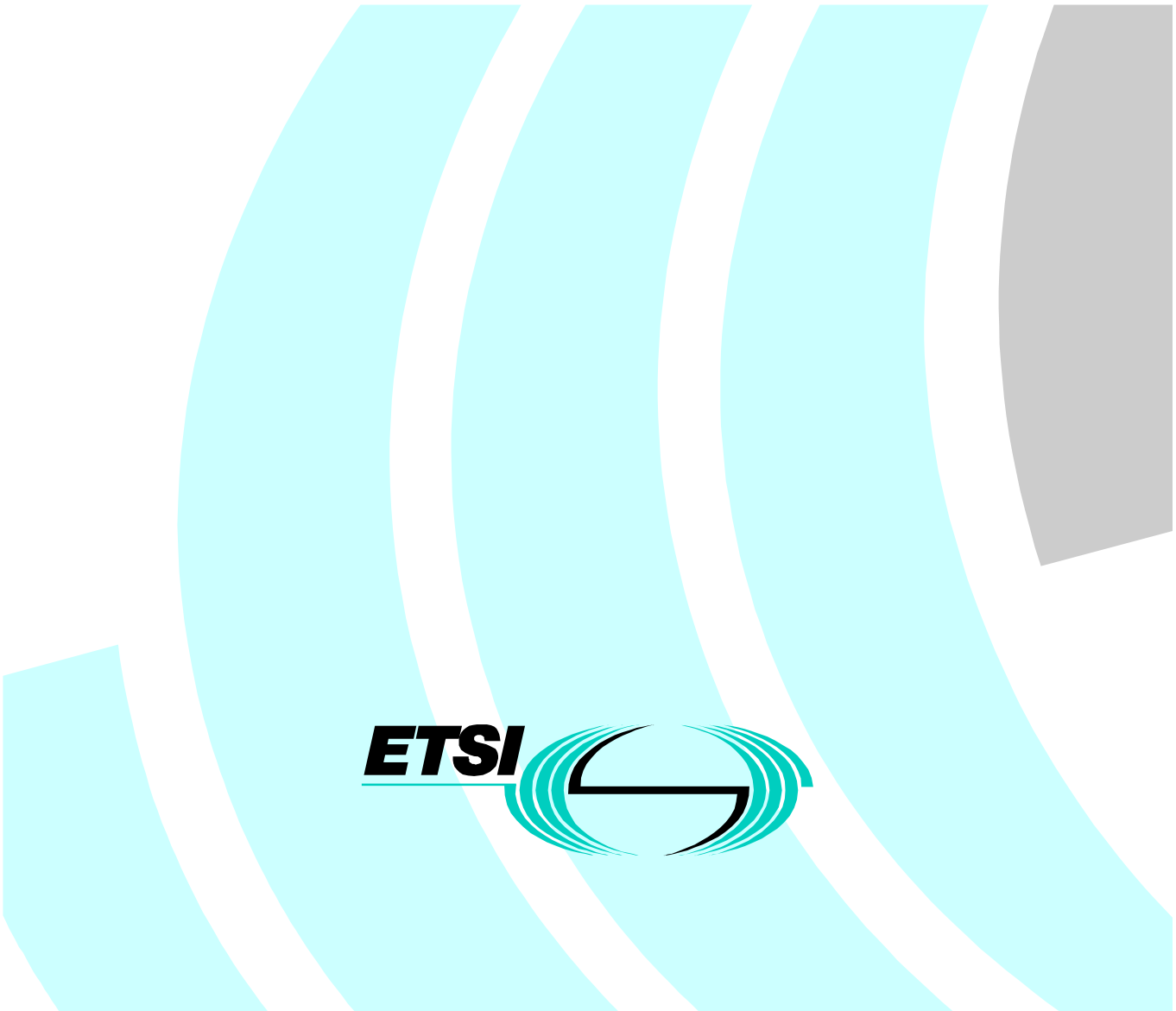
Special Report

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



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Contents

Foreword

This Special Report (SR) has been produced by ETSI on the basis of the ETSI IPR Policy.

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.

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.

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 therefor 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 subclause 6.1 of the ETSI IPR Policy

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

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

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

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)

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

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

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

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

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

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

RES standards: all standards issued by ETSI in relation to Radio Equipment and Systems (RES)

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

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

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

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

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
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BU	Burma
BV	Bouvet Island
BW	Botswana

BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CS	Czechoslovakia
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DD	German Democratic 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
ER	Eritrea
ES	Spain
ET	Ethiopia
EU	European Union
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia (Feder. States Of)
FO	Faroe Islands
FR	France
FX	France, Metropolitan
GA	Gabon
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	So. Georgia And So. Sandwich
GT	Guatemala
GU	Guam
GW	Guinea-Bissau

GY	Guyana
HK	Hong Kong
HM	Heard And Mcdonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IN	India
IO	British Indian Ocean Territory
IPC	International Patent Convention
IQ	Iraq
IR	Iran (Islamic Republic Of)
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts And Nevis
KP	Korea, Dem. People's Rep. Of
KR	Korea, Republic Of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Dem. Rep.
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahiriya
MA	Morocco
MC	Monaco
MD	Moldova, Republic Of
MG	Madagascar
MH	Marshall Islands
MK	Macedonia
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macau
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi

MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NT	Neutral Zone
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
PN	Pitcairn
PR	Puerto Rico
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard And Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome And Principe
SU	Ussr
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks And Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo

TH	Thailand
TJ	Tajikistan
TK	Tokelau
TM	Turkmenistan
TN	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
YD	Yemen, Democratic
YE	Yemen
YT	Mayotte
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

3 Notified IPRs

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

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

3.1 Notifications

Essential, or potentially Essential, IPRs in respect of which a Notification followed by a Licensing Declaration has been given by the IPR owner and for which licences are available on fair, reasonable and non-discriminatory terms, in accordance with subclause 6.1 of the ETSI IPR Policy.

3GPP

Company:	Mitsubishi Electric Corporation
Project:	3GPP
Title:	Data Conversion Apparatus and Data Conversion Method
Country:	JP
Application number:	PCT/JP96/02154
Countries applicable:	AU, CA, CN, JP, KR, NO, SG, US, EP (BE, CH, DE, DK, ES, FI, FR, GB, IT, NL, SE)
Notes:	This declaration (the DECLARATION) is given this 8th day of October 1999, by Suketaka Tachibana, General Manager, Corporate Licensing Department (the SIGNATORY), of Mitsubishi Electric Corporation to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE of Sophia Antipolis France (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.

DAB

Company: France Télécom
Project: DAB
Title: Digital transmission system for transmitting an additional signal such as a surround signal
Country: n/a
Application number: (div of EP-0 402 973)
Patent number: EP-0 599 825
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s): ETS 300 401

Company: France Télécom
Project: DAB
Title: Digital transmission system using subband coding
Country: EP
Application number: EP 89201408
Patent number: 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
Standard(s): ETS 300 401

Company: France Télécom
Project: DAB
Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record carrier obtained by means of the transmitter in the form of a recording device
Country: NL
Application number: NL 89 014023
Patent number: 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
Standard(s): ETS 300 401

Company: France Télécom
Project: DAB
Title: Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de réception correspondant
Country: FR
Application number: FR 90 03927
Patent number: FR-2 660 131
Countries applicable: FR, GB, DE, US
Standard(s): ETS 300 401

Company: France Télécom
Project: DAB
Title: Intensity stereo encoding and decoding in a transmission system
Country: n/a
Application number: (div of EP-0 402 973)
Patent number: EP-0 599 824
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s): ETS 300 401

Company: France Télécom
Project: DAB
Title: Method and installation for digital communication, particularly between an towards moving vehicles
Country: PCT
Application number: PCT/EP-87/00346
Patent number: WO-88/00417
Countries applicable: FR, DE, GB, IT, NL, SE, US, JP
Standard(s): ETS 300 401

Company: France Télécom
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: FR
Application number: FR 90 01492
Patent number: FR-2 658 017
Countries applicable: FR, GB, DE, US
Standard(s): ETS 300 401

Company: France Télécom
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: EP
Application number: 93 116 353.9 (div of EP0369371)
Patent number: EP 0 600 193
Countries applicable: FR, ES, GB, IT, NL
Standard(s): ETS 300 401

Company: France Télécom
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: FR
Application number: FR 88 15216 (=EP0369917)
Patent number: FR-2 639 495
Countries applicable: FR, DE, ES, GB, IT, NL, US
Standard(s): ETS 300 401

Company: Grundig E.M.V.
Project: DAB
Title: Gleichwellennetze und Empfänger zum Durchführen der empfangsseitigen Massnahmen
Country: EPC
Application number: HEI-5-169296
Standard(s): ETS 300 401

Company: Grundig E.M.V.
Project: DAB
Title: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel
Country: DE
Application number: DE 44 25 973
Countries applicable: DE

Company: Grundig E.M.V.
Project: DAB
Title: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel
Country: PCT
Application number: PCT/EP95/02853
Patent number: WO 96/03841
Countries applicable: AU, BR, CA, CN, CZ, FI, JP, KR, MX, NO, PL, US, EPC

Company: Grundig E.M.V.
Project: DAB
Title: Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Network
Country: DE
Application number: DE 41 02 408
Countries applicable: DE

Company:	Grundig E.M.V.
Project:	DAB
Title:	Procedure for the Identification of Transmitter or Region in Common-wave Broadcasting Networks
Country:	PCT
Application number:	WO 92/13403
Countries applicable:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, JP, LU, MC, NL, SZ, US

Company:	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:	DE
Application number:	DE 44 24 778
Countries applicable:	DE

Company:	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:	PCT
Application number:	PCT/EP95/02751
Patent number:	WO 96/02988
Countries applicable:	AU, BR, CA, CN, CZ, FI, JP, KR, MX, NO, PL, US, EPC

Company:	Grundig E.M.V.
Project:	DAB
Title:	Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal
Country:	DE
Application number:	DE 43 41 211
Countries applicable:	DE

Company:	Grundig E.M.V.
Project:	DAB
Title:	Verfahren und Schaltungsanordnung zum Einfügen von Daten in ein Gleichwellenübertragungssignal
Country:	EPC
Application number:	94118808.8
Patent number:	EP 0 656 702 A1
Countries applicable:	AT, BE, CH, DE, FR, GB, IT, LI, PT

Company:	Grundig E.M.V.
Project:	DAB
Title:	Verfahren und Schaltungsanordnung zur Bestimmung des geographischen Standortes eines Empfängers in einem Gleichwellennetz
Country:	DE
Application number:	DE 42 23 194
Countries applicable:	DE

Company:	Grundig E.M.V.
Project:	DAB
Title:	Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation
Country:	DE
Application number:	DE 44 05 752
Countries applicable:	DE

Company: Grundig E.M.V.
Project: DAB
Title: Verfahren und Schaltungsanordnung zur digitalen Rahmensynchronisation
Country: EPC
Application number: 96100540.4
Patent number: EP 0 670 643 A1
Countries applicable: AT, BE, DE, CH, ES, FR, GB, IT, LI, LU, NL, PT, SE

Company: Grundig E.M.V.
Project: DAB
Title: Verfahren und Schaltungsanordnung zur Realisierung eines Rückübertragungskanals vom Empfänger zum Sender in einem Gleichwellenne
Country: DE
Application number: DE 44 44 889
Countries applicable: DE

Company: Grundig E.M.V.
Project: DAB
Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze
Country: DE
Application number: DE 42 22 877
Countries applicable: DE
Standard(s): ETS 300 401

Company: Grundig E.M.V.
Project: DAB
Title: Verfahren zur Übertragung regional unterschiedlicher Informationen in Gleichwellennetze
Country: EPC
Application number: 93108160.8
Patent number: EP 0 580 976
Countries applicable: AT, BE, DE, FR, GB, IT
Standard(s): ETS 300 401

Company: IRT
Project: DAB
Title: Digital transmission system for transmitting an additional signal such as a surround signal
Country: n/a
Application number: (div of EP-0 402 973)
Patent number: EP-0 599 825
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s): ETS 300 401

Company: IRT
Project: DAB
Title: Digital transmission system, transmitter and receiver for use in the transmission system, and record carrier obtained by means of the transmitter in the form of a recording device
Country: NL
Application number: NL 89 014023
Patent number: 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
Standard(s): ETS 300 401

Company: IRT
Project: DAB
Title: Intensity stereo encoding and decoding in a transmission system
Country: n/a
Application number: (div of EP-0 402 973)
Patent number: EP-0 599 824
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s): ETS 300 401

Company:	Philips
Project:	DAB
Title:	Digital transmission system for transmitting an additional signal such as a surround signal
Country:	n/a
Application number:	(div of EP-0 402 973)
Patent number:	EP-0 599 825
Countries applicable:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s):	ETS 300 401

Company:	Philips
Project:	DAB
Title:	Digital transmission system using subband coding
Country:	EP
Application number:	EP 89201408
Patent number:	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
Standard(s):	ETS 300 401

Company:	Philips
Project:	DAB
Title:	Digital transmission system, transmitter and receiver for use in the transmission system, and record carrier obtained by means of the transmitter in the form of a recording device
Country:	NL
Application number:	NL 89 014023
Patent number:	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
Standard(s):	ETS 300 401

Company:	Philips
Project:	DAB
Title:	Intensity stereo encoding and decoding in a transmission system
Country:	n/a
Application number:	(div of EP-0 402 973)
Patent number:	EP-0 599 824
Countries applicable:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Digital transmission system for transmitting an additional signal such as a surround signal
Country:	n/a
Application number:	(div of EP-0 402 973)
Patent number:	EP-0 599 825
Countries applicable:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Digital transmission system using subband coding
Country:	EP
Application number:	EP 89201408
Patent number:	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
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Digital transmission system, transmitter and receiver for use in the transmission system, and record carrier obtained by means of the transmitter in the form of a recording device
Country:	NL
Application number:	NL 89 014023
Patent number:	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
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de réception correspondant
Country:	FR
Application number:	FR 90 03927
Patent number:	FR-2 660 131
Countries applicable:	FR, GB, DE, US
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Intensity stereo encoding and decoding in a transmission system
Country:	n/a
Application number:	(div of EP-0 402 973)
Patent number:	EP-0 599 824
Countries applicable:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, HK, SG, IN, US
Standard(s):	ETS 300 401

Company:	Télédiffusion de France
Project:	DAB
Title:	Method and installation for digital communication, particularly between an towards moving vehicles
Country:	PCT
Application number:	PCT/EP-87/00346
Patent number:	WO-88/00417
Countries applicable:	FR, DE, GB, IT, NL, SE, US, JP
Standard(s):	ETS 300 401

Company:	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:	FR
Application number:	FR 90 01492
Patent number:	FR-2 658 017
Countries applicable:	FR, GB, DE, US
Standard(s):	ETS 300 401

Company:	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:	EP
Application number:	93 116 353.9 (div of EP0369371)
Patent number:	EP 0 600 193
Countries applicable:	FR, ES, GB, IT, NL
Standard(s):	ETS 300 401

Company:	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:	FR
Application number:	FR 88 15216 (=EP0369917)
Patent number:	FR-2 639 495
Countries applicable:	FR, DE, ES, GB, IT, NL, US
Standard(s):	ETS 300 401

Company:	Telefunken Sendertechnik GmbH
Project:	DAB
Title:	Verfahren und Anordnung zur Messung der Trägerfrequenzablage in einem Mehrkanalübertragungssystem
Country:	DE
Application number:	P 41 28 713
Patent number:	EP 0529 421
Countries applicable:	AT, BE, CH, DE, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE, US
Standard(s):	ETS 300 401

Company:	Telefunken Sendertechnik GmbH
Project:	DAB
Title:	Verfahren zur digitalen Datenübertragung im Nullsymbol des COFDM-Modulationsverfahrens
Country:	DE
Application number:	P 41 38 770
Patent number:	EP 0614 584
Countries applicable:	DE, European Patent (DE, FR, GB, IT, ES, SE, US)
Standard(s):	ETS 300 401

DCS 1800

Company: Matra
Project: DCS 1800
Country: AU
Application number: 638 160

Company: Matra
Project: DCS 1800
Country: EPC
Application number: 0472 460 B1

Company: Matra
Project: DCS 1800
Country: FI
Application number: 91 03 903

Company: Philips
Project: DCS 1800
Title: Dienstintegriertes Funkübertragungssystem
Country: EPC
Application number: 86200724.2
Patent number: EP 0 201 126 B1

Company: Philips
Project: DCS 1800
Title: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen
Country: EPC
Application number: 86201267.1
Patent number: EP 0 210 698

Company: Philips
Project: DCS 1800
Title: Improvements in or relating to Digital Filters
Country: GB
Application number: 8104155
Patent number: GB 2069799
Countries applicable: GB

Company: Philips
Project: DCS 1800
Title: Information transmission system
Country: GB
Application number: 8008510
Patent number: GB 2063011
Countries applicable: GB

Company: Philips
Project: DCS 1800
Title: Multi-pulse excitation linear-predictive speech coder
Country: EPC
Application number: 86200434.8
Patent number: EP 0 195 487 B1

Company: Philips
Project: DCS 1800
Title: Multiple-access communications system
Country: EPC
Application number: 84201107.4
Patent number: EP 0 134 057

Company: Philips
Project: DCS 1800
Title: Procédé pour reconnaître l'utilisation illicite d'une identification
Country: FR
Application number: 8504296
Patent number: FR 256 184 1
Countries applicable: FR

Company: Philips
Project: DCS 1800
Title: TDMA system of transmitting information between a central station and sub-stations
Country: GB
Application number: 8207811
Patent number: GB 209 55 16
Countries applicable: GB

Company: Philips
Project: DCS 1800
Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals durch eine bewegliche Funkstation
Country: EPC
Application number: 87200545.9
Patent number: EP 0 240 073 B1

Company: Philips
Project: DCS 1800
Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen Funkstation eines Funkübertragungs.
Country: EPC
Application number: 83201767.7
Patent number: EP 0 111 972 B1

Company: Philips
Project: DCS 1800
Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene Organisationskanäle eines Funkübertragungssys.
Country: EPC
Application number: 83201766.9
Patent number: EP 0 111 971 B1

Company: Philips
Project: DCS 1800
Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene Organisationskanäle eines Funkübertragungssys.
Country: EPC
Application number: 83201765.1
Patent number: EP 0 111 970 B1

Company: Philips
Project: DCS 1800
Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems
Country: EPC
Application number: 82107529.8
Patent number: EP 0 073 014 B1

Company:	Philips
Project:	DCS 1800
Title:	Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation bestehenden Funkverbindung
Country:	EPC
Application number:	83201768.5
Patent number:	EP 0 111 973 B1

DECT

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: AR
Application number: 95010299
Countries applicable: AR
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: AU
Application number: 41762
Countries applicable: AU
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: BR
Application number: 9506646-2
Countries applicable: BR
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: CN
Application number: 95191406.5
Countries applicable: CN
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: EPC
Application number: 95940248.8
Patent number: 795238
Countries applicable: FR, DE, IT, SE, GB
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: ES
Application number: 9402471
Countries applicable: ES
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: FI
Application number: 963008
Countries applicable: FI
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: HU
Application number: 9601896
Countries applicable: HU
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: IN
Application number: 201195
Countries applicable: IN
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: MA
Application number: 24082
Countries applicable: MA
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: NZ
Application number: 297000
Countries applicable: NZ
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: PE
Application number: 285380
Countries applicable: PE
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: PL
Application number: 315625
Countries applicable: PL
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: RU
Application number: 86116584
Countries applicable: RU
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: TI
Application number: 1344
Countries applicable: TI
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Burst Alignment Procedure
Country: ZA
Application number: 959877
Countries applicable: ZA
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: AU
Application number: 56167
Countries applicable: AU
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: DE
Application number: 19523489
Countries applicable: DE
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: EPC
Application number: 96109652.6
Patent number: 751634
Countries applicable: AT, BE, FR, DE, IT, LI, NL, ES, SE, CH, GB
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: JP
Application number: 170176/96
Countries applicable: JP
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: NZ
Application number: 286843
Countries applicable: NZ
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: DECT Frame Synchronization
Country: US
Application number: 661373
Countries applicable: US
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: AU
Application number: 56167
Countries applicable: AU
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6
section 6.2.1.3 more particularly

Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: CA
Application number: 2112511
Countries applicable: CA
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6; section 6.2.1.3 more particularly

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Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: EPC
Application number: 93403177.4
Patent number: 0605312
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6
section 6.2.1.3 more particularly

Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: FI
Application number: 935885
Countries applicable: FI
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6; section 6.2.1.3 more particularly

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Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: FR
Application number: 92-15934
Patent number: 2700086
Standard(s): ETS 300 175-3

Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: JP
Application number: 331170/93
Countries applicable: JP
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6; section 6.2.1.3 more particularly

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Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: NO
Application number: 934859
Countries applicable: NO
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6; section 6.2.1.3 more particularly

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Company: Alcatel Alsthom
Project: DECT
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: US
Application number: 175555
Countries applicable: US
Standard(s): ETS 300 175-3
Notes: in general section 4.22, figure 6; section 6.2.1.3 more particularly

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Company: Alcatel Alsthom
Project: DECT
Title: Ukrainian SSR
Country: Ukrainian SSR
Application number: 9504662
Countries applicable: Ukrainian SSR
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Ukrainian SSR
Country: US
Application number: 676389
Countries applicable: US
Standard(s): ETR 310

Company: Alcatel Alsthom
Project: DECT
Title: Wireless Tie Line
Country: DE
Application number: 4201561.8
Countries applicable: DE
Standard(s): ETS 300 822

Company: Alcatel Alsthom
Project: DECT
Title: Wireless Tie Line
Country: EPC
Application number: 92121870.7
Patent number: 553485
Countries applicable: AT, BE, DE, IT, NL, ES, SE, CH, GB
Standard(s): ETS 300 822

Company: Alcatel Alsthom
Project: DECT
Title: Wireless Tie Line
Country: US
Application number: 6808
Patent number: 5355402
Countries applicable: US
Standard(s): ETS 300 822

Company: Canon
Project: DECT
Title: MMAP
Country: n/a
Notes: Canon (Canon Research France - CRF) has declared that, in the event the proposed standard is adopted, it is ready to grant licenses under the Essential IPR(s) of the "standard", owned by CRF, on fair, reasonable and non-discriminatory terms and conditions, and provided that a similar grant under licensee's Essential IPR(s) is made available upon request of CRF.

Company: Nokia
Project: DECT
Title: Implementation of mutual rate adaptations in data services between GSM and DECT
Country: EPC
Application number: 96304138.9
Patent number: EP 748136
Countries applicable: NL, ES, GB, IT, FR, DE
Standard(s): ETS 300 756, ETS 300 792

Company: Nokia
Project: DECT
Title: Implementation of mutual rate adaptations in data services between GSM and DECT
Country: FI
Application number: 952813
Patent number: FI 98176
Standard(s): ETS 300 756, ETS 300 792

Company: Nokia
Project: DECT
Title: Implementation of mutual rate adaptations in data services between GSM and DECT
Country: JP
Application number: 8-136887
Standard(s): ETS 300 756, ETS 300 792

Company: Nokia
Project: DECT
Title: Implementation of mutual rate adaptations in data services between GSM and DECT
Country: PCT
Application number: PCT/FI96/00305
Patent number: WO 9641490
Standard(s): ETS 300 756, ETS 300 792

Company: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: PCT/SE98/01087
Countries applicable: EP, EE, LV, LT, NO
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 680676
Countries applicable: EPC
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: Telia AB
Project: DECT
Country: n/a
Patent number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 9532680
Countries applicable: AU
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT
Country: n/a
Application number: 776551
Countries applicable: EPC
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: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 9504962
Countries applicable: NO
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT
Country: n/a
Application number: 722229
Countries applicable: EPC
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: Telia AB
Project: DECT
Country: n/a
Application number: 9400119-5
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 9624228
Countries applicable: WO
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: Telia AB
Project: DECT
Country: n/a
Patent number: 505209
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: Telia AB
Project: DECT
Country: n/a
Application number: 9600458
Countries applicable: NO
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT
Country: n/a
Application number: 726690
Countries applicable: EPC
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: Telia AB
Project: DECT
Country: n/a
Application number: 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: Telia AB
Project: DECT
Country: n/a
Application number: 9639785
Countries applicable: WO
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: Telia AB
Project: DECT
Title: A Mobile Radio System
Country: EPC
Application number: 94902147.1

Company: Telia AB
Project: DECT
Title: A Mobile Radio System
Country: PCT
Application number: PCT/SE95/00610

Company: Telia AB
Project: DECT
Title: A Mobile Radio System
Country: PCT
Application number: PCT/SE95/00998

Company: Telia AB
Project: DECT
Title: A Radio-based Communication System
Country: PCT
Application number: PCT/SE95/00259

Company: Telia AB
Project: DECT
Title: Arrangement for Improving Functions in a Radiocommunications System
Country: EPC
Application number: 95850041.5

Company: Telia AB
Project: DECT
Title: Arrangement in a DECT System
Country: EPC
Application number: 95850001.9

Company: Telia AB
Project: DECT
Title: Device at Telecommunication Systems
Country: PCT
Application number: PCT/SE95/00845

Company: Telia AB
Project: DECT
Title: Device at Telecommunication Systems
Country: PCT
Application number: PCT/SE95/00846

Company: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 9500407-3
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 9643382
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: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 725552
Countries applicable: EPC
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: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 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: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 808549
Countries applicable: EPC
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: Telia AB
Project: DECT/GSM
Country: n/a
Application number: 9625015
Countries applicable: WO
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:	Telia AB
Project:	DECT/GSM
Title:	Arrangement for Handover in a Mobile Telecommunication Network
Country:	SE
Application number:	9500408-1
Countries applicable:	SE

Company:	Telia AB
Project:	DECT/GSM
Title:	Method and Arrangement for Transfer between a Cordless Telecommunications System and a Cellular Mobile Telecommunications System
Country:	SE
Application number:	9500407-3
Patent number:	503 848
Countries applicable:	SE

ERMES

Company: Guy Le Nouveau
Project: ERMES
Title: Module additionnel d'émission radio pour récepteur de radiomessagerie permettant l'émission d'un accusé de réception
Country: FR
Patent number: 94 06043
Countries applicable: FR
Notes: 14 impasse des Verbeuses, 94800 Villejuif, France

Company: Motorola
Project: ERMES
Title: Decoder for Transmitted Message Activation Codes
Country: EPC
Patent number: EP 0 090 851

Company: Motorola
Project: ERMES
Title: Multiple Format Signalling Protocol for a Selective Call Receiver
Country: EPC
Application number: EP 92901376.1

Company: Motorola
Project: ERMES
Title: Multiple Frequency Message System
Country: EPC
Application number: EP 89909668.9

Company: Motorola
Project: ERMES
Title: Multiple Frequency Scanning
Country: EPC
Application number: EP 91904526.0

Company: Motorola
Project: ERMES
Title: Nation-wide Paging with Local Modes of Operation
Country: EPC
Application number: EP 90915018.7

Company: Motorola
Project: ERMES
Title: Power Conservation Method and Apparatus for a Portion of an Information Signal
Country: EPC
Application number: EP 89913131.2

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Differential Ranging For A Frequency-Hopped Remote Position Determination System
Country: PCT
Patent number: GB96/00270
Countries applicable: Complete
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Low-Power Frequency-Hopped Spread Spectrum Acknowledgment Paging System
Country: EPO
Application number: 95900245.2
Countries applicable: Application pending
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Low-Power Frequency-Hopped Spread Spectrum Acknowledgment Paging System
Country: PCT
Patent number: IB94/00370
Countries applicable: Complete
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Multi-Path Resistant Frequency-Hopped Spread Spectrum Mobile Location System
Country: PCT
Patent number: IB94/00372
Countries applicable: Complete
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Pager with Reverse Paging Facility
Country: EPO
Application number: 92311872.3
Countries applicable: Application pending
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: AT
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: DE
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: EPO
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: FR
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: GB
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: IT
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Remote Position Determination System
Country: NL
Patent number: 0583522
Countries applicable: AT, FR, DE, IT, NL, GB
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Synchronization System for a Shared Channel Communication System
Country: EPO
Application number: 96901912.4
Countries applicable: Application allowed
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Synchronization System For A Shared Channel Communication System
Country: PCT
Patent number: GB96/00268
Countries applicable: Complete
Notes: ERMES 2-Way Paging

Company: NEXUS Telocation Systems, Ltd.
Project: ERMES
Title: Two-Way Pager Having Prerecorded Uplink Messages and Pager to Pager Messaging
Country: PCT
Patent number: GB96/00257
Countries applicable: Complete
Notes: ERMES 2-Way Paging

GPRS

Company:	De Te Mobil GmbH
Project:	GPRS
Title:	Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz
Country:	DE
Application number:	DE 44 02 903
Countries applicable:	DE

Company:	De Te Mobil GmbH
Project:	GPRS
Title:	Verfahren zur paketweisen Datenübermittlung in einem Mobilfunknetz
Country:	PCT
Application number:	PCT/DE/00121
Countries applicable:	EP(AT, BE, CH, LI, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), AU, BG, BR, CA, CN, CZ, JP, KR, PL, RU, SK, UA, US

GSM

Company: Alcatel
Project: GSM
Title: AMR 12b, Document Tdoc SMG11 134/98R2,
Country: n/a
Standard(s): AMR
Notes: Alcatel declared that they are prepared to grant irrevocable licenses under the IPRs owned by the signatory or its affiliates on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR interim Policy, to the extent that the IPRs are essential for any ETSI standard relating to the AMR Speech Codec proposal.

Company: Alcatel
Project: GSM
Title: Mobile Radio Network Adaptation Center
Country: n/a
Application number: EP 96 440 095
Patent number: EP 773 693
Countries applicable: FR, DE, IT, ES, GB
Standard(s): 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: Alcatel
Project: GSM
Title: Mobile Radio Network Adaptation Center
Country: n/a
Application number: 2 189 791
Countries applicable: CN
Standard(s): 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: Alcatel
Project: GSM
Title: Mobile Radio Network Adaptation Center
Country: n/a
Application number: 743634
Countries applicable: US
Standard(s): 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: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: CN
Application number: CN 93-119206
Countries applicable: CN
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: FR
Patent number: FR 2695776
Countries applicable: FR
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: IN
Application number: 1052/DEL/93
Countries applicable: IN
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: NO
Patent number: NO 9303254
Countries applicable: NO
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: NZ
Patent number: NZ 248564
Countries applicable: NZ
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: SG
Patent number: SP 9605241-0
Countries applicable: SP
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: A transmission burst organized for discontinuous transmission
Country: AU
Patent number: AU 9640950
Countries applicable: AU
Standard(s): GSM 05.03

Company: Alcatel Alsthom
Project: GSM
Title: A transmission burst organized for discontinuous transmission
Country: EPC
Patent number: EP 724342
Countries applicable: AT, BE, DK, FR, DE, IT, NL, NO, ES, SE, CH, GB
Standard(s): GSM 05.03

Company: Alcatel Alsthom
Project: GSM
Title: A transmission burst organized for discontinuous transmission
Country: FI
Patent number: FI 9600300
Countries applicable: FI
Standard(s): GSM 05.03

Company: Alcatel Alsthom
Project: GSM
Title: A transmission burst organized for discontinuous transmission
Country: FR
Patent number: FR 2729806
Countries applicable: FR
Standard(s): GSM 05.03

Company: Alcatel Alsthom
Project: GSM
Title: A transmission burst organized for discontinuous transmission
Country: NZ
Patent number: NZ 280835
Countries applicable: NZ
Standard(s): GSM 05.03

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: CA
Patent number: CA 2046579
Countries applicable: CA
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: EPC
Patent number: EP 466078
Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: FR
Application number: 90-12005
Patent number: FR 2667476
Countries applicable: FR
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: JP
Patent number: JP 4255133
Countries applicable: JP
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: KR
Application number: 11673/1991
Countries applicable: KR
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: TW
Patent number: 57316
Countries applicable: TW
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication system for cellular radio telephone network
Country: US
Patent number: US 5533114
Countries applicable: US
Standard(s): GSM 01.78, 02.78, 03.78 and 09.78

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: AU
Patent number: AU 639516
Countries applicable: AU
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: CA
Patent number: CA 2034411
Countries applicable: CA
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: EPC
Patent number: EP 438099
Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: JP
Patent number: JP 60 86358
Countries applicable: JP
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: NZ
Patent number: NZ 236814
Countries applicable: NZ
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Communication transfer in cellular radio telephone network
Country: US
Patent number: US 5289525
Countries applicable: US
Standard(s): GSM 03.09

Company: Alcatel Alsthom
Project: GSM
Title: Computer-controlled radiotelephone
Country: EPC
Patent number: EP 297616
Countries applicable: AT, BE, FR, DE, GR, IT, NL, ES, SE, GB
Standard(s): GSM 03.26

Company: Alcatel Alsthom
Project: GSM
Title: Data frame transmission system for transmitter and receiver
Country: EPC
Patent number: EP 642242
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Data frame transmission system for transmitter and receiver
Country: FI
Patent number: FI 9404071
Countries applicable: FI
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Data frame transmission system for transmitter and receiver
Country: FR
Patent number: FR 2709901
Countries applicable: FR
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Data frame transmission system for transmitter and receiver
Country: US
Application number: SerNo 301587
Countries applicable: US
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: AU
Patent number: AU 9538092
Countries applicable: AU
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: CA
Patent number: CA 2179662
Countries applicable: CA
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: FI
Patent number: FI 9602541
Countries applicable: FI
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: FR
Patent number: FR 2726147
Countries applicable: FR
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: JP
Application number: 513693/96
Countries applicable: JP
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: PCT
Application number: WO 96131134
Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, GB
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Energy saving method in a terminal of a mobile radiocommunication network
Country: US
Application number: SerNo 666428
Countries applicable: US
Standard(s): GSM 03.41 and 04.12

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: AU
Patent number: AU 9523340
Countries applicable: AU
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: CN
Application number: 95-115005
Countries applicable: CN
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: EPC
Patent number: EP 692919
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: FI
Patent number: FI 9503345
Countries applicable: FI
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: FR
Patent number: FR 2722353
Countries applicable: FR
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: IN
Application number: 271/DEL/95
Countries applicable: IN
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: NZ
Patent number: NZ 272491
Countries applicable: NZ
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Frame at the TRAU-BTS interface in a cellular radiocommunication network
Country: US
Application number: SerNo 496749
Countries applicable: US
Standard(s): GSM 08.61

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: AU
Patent number: AU 9467885
Countries applicable: AU
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: CA
Application number: 2162707
Countries applicable: CA
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: CN
Application number: 94-192099
Countries applicable: CN
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: EPC
Patent number: EP 698318
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: FI
Patent number: FI 9505437
Countries applicable: FI
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: FR
Patent number: FR 2705514
Countries applicable: FR
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: JP
Application number: 525067/94
Countries applicable: JP
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Hand-over technique for transferring calls between adjacent cells of cellular phone system
Country: US
Application number: SerNo 545869
Countries applicable: US
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: EPC
Patent number: EP 589753
Countries applicable: AT, BE, DK, FR, DE, GR, IE, IT, NL, PT, ES, SE, CH, GB
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: FI
Patent number: FI 9304006
Countries applicable: FI
Standard(s): GSM 04.08 and 05.10

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio Network
Country: DE
Application number: P 36 38 735
Patent number: DE 3638735
Countries applicable: DE
Standard(s): GSM 02.16, 03.03 and 04.08
Notes: jointly owned with Siemens.

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio System with a Repeater
Country: AU
Patent number: AU 77486
Countries applicable: AU
Standard(s): GSM 05.05

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio System with a Repeater
Country: EPC
Patent number: EP 651524
Countries applicable: FR, DE, IT, SE, GB
Standard(s): GSM 05.05

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio System with a Repeater
Country: FI
Patent number: FI 945088
Countries applicable: FI
Standard(s): GSM 05.05

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio System with a Repeater
Country: NZ
Patent number: NZ 264804
Countries applicable: NZ
Standard(s): GSM 05.05

Company: Alcatel Alsthom
Project: GSM
Title: Mobile Radio System with a Repeater
Country: US
Application number: SerNo 331341
Countries applicable: US
Standard(s): GSM 05.05

Company: Alcatel Alsthom
Project: GSM
Title: Software downloading for a telecommunications terminal
Country: AU
Patent number: AU 643526
Countries applicable: AU
Standard(s): GSM 11.14

Company: Alcatel Alsthom
Project: GSM
Title: TRAN/BTS Error Procedure
Country: JP
Application number: 518716/94
Countries applicable: JP
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: AU
Patent number: AU 9461115
Countries applicable: US
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: CN
Application number: 94-191289
Countries applicable: CN
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: EPC
Patent number: EP 686325
Countries applicable: AT, BE, DK, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: FI
Patent number: FI 9503969
Countries applicable: FI
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: FR
Patent number: FR 2702111
Countries applicable: FR
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: NO
Patent number: NO 9503356
Countries applicable: NO
Standard(s): GSM 08.60 and 08.61

Company: Alcatel Alsthom
Project: GSM
Title: TRAU/BTS Error Procedure
Country: US
Application number: SerNo 495615
Countries applicable: US
Standard(s): GSM 08.60 and 08.61

Company: AT&T
Project: GSM
Title: Arrangement for Detecting Fraudulently Identified Mobile Stations in a Cellular Mobile Telecommunications Switching System
Country: US
Patent number: 5 309 501
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: AT&T
Project: GSM
Title: Arrangement for Obtaining Authentication Key Parameters in a Cellular Mobile Telecommunications Switching Network
Country: US
Patent number: 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: AT&T
Project: GSM
Title: Digital Speech Coder
Country: CA
Patent number: 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: AT&T
Project: GSM
Title: Digital Speech Coder
Country: CA
Patent number: 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: AT&T
Project: GSM
Title: Digital Speech Coder
Country: SE
Patent number: 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.

Company:	AT&T
Project:	GSM
Title:	Digital Speech Coder
Country:	US
Patent number:	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.

Company:	AT&T
Project:	GSM
Title:	Digital Speech Encoder
Country:	DE
Patent number:	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.

Company:	AT&T
Project:	GSM
Title:	Digital Speech Encoder
Country:	FR
Patent number:	8 219 772
Countries applicable:	FR
Notes:	AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company:	AT&T
Project:	GSM
Title:	Digital Speech Encoder
Country:	GB
Patent number:	2 110 906
Countries applicable:	UK
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:	AT&T
Project:	GSM
Title:	Digital Speech Encoder
Country:	JP
Patent number:	1 332 758
Countries applicable:	JP
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:	AT&T
Project:	GSM
Title:	Digital Speech Encoder
Country:	SE
Patent number:	Published 456 618
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:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangemen
Country:	CA
Patent number:	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.

Company:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangement
Country:	BE
Patent number:	0 175 752
Countries applicable:	BE
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:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangement
Country:	DE
Patent number:	3 575 624
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.

Company:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangement
Country:	FR
Patent number:	0 175 752
Countries applicable:	FR
Notes:	AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangement
Country:	NL
Patent number:	0 175 752
Countries applicable:	NL
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:	AT&T
Project:	GSM
Title:	Multipulse LPC Speech Processing Arrangement
Country:	SE
Patent number:	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: AT&T
Project: GSM
Title: Multipulse LPC Speech Processing Arrangement
Country: US
Patent number: 4 701 954
Countries applicable: US
Notes: AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company: AT&T
Project: GSM
Title: Paging Arrangements in a Cellular Mobile Switching System
Country: US
Patent number: 5 278 890
Countries applicable: US
Notes: AT&T have stated that all of the identified patents have corresponding foreign pending applications but they have elected to provide details of granted patents only -as, and when, patents are granted pursuant to the pending applications, ETSI will be informed. AT&T have stated to ETSI that Licensing enquires should be sent to: AT&T, 10 Independence Blvd, Warren, NJ 07059-6799, USA, marked for the attention of: Herb Winfield (Tel: +1 908 580-5916, Fax: +1 908 580-4082). However, indications are that Lucent Technologies will take responsibility for the licensing of AT&T's patents. No other contact has been provided.

Company: AT&T
Project: GSM
Title: Signalling Arrangements in a Cellular Mobile Telecomms Switching System
Country: US
Patent number: 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: BT
Project: GSM
Country: US
Application number: 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: BT
Project: GSM
Title: Cellular Radio Systems
Country: AU
Patent number: 678247
Countries applicable: AU
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: CA
Application number: 2162730
Countries applicable: CA
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: CN
Application number: 94192537.4
Countries applicable: CN
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: EPO
Application number: 94915668.1
Countries applicable: AT, BE, DK, FR, DE, IE, IT, NL, PT, ES, SE, CH
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: FI
Application number: 955579
Countries applicable: FI
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: HU
Application number: P9503283
Countries applicable: HU
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: IN
Application number: 422/MAS/94
Countries applicable: IN
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: JP
Application number: 95-500381
Countries applicable: JP
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: KR
Application number: 705246/95
Countries applicable: KR
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: NO
Application number: 954682
Countries applicable: NO
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: NZ
Patent number: 266204
Countries applicable: NZ
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: PL
Patent number: 174356
Countries applicable: PL
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: SG
Application number: 9603226-3
Countries applicable: SG
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Cellular Radio Systems
Country: US
Application number: 179961
Countries applicable: US
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Project: GSM
Title: Telecommunications System
Country: AU
Patent number: 685281
Countries applicable: AU
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: AU
Patent number: 685280
Countries applicable: AU
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: CA
Application number: 2189770
Countries applicable: CA
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: CA
Application number: 2189772
Countries applicable: CA
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: CN
Application number: 95193282.9
Countries applicable: CN
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: CN
Application number: 95193283.7
Countries applicable: CN
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: EPO
Patent number: 761068
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: EPO
Patent number: 761067
Countries applicable: BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: FI
Application number: 964659
Countries applicable: FI
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: FI
Application number: 964658
Countries applicable: FI
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: IN
Application number: 708/MAS/95
Countries applicable: IN
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: IN
Application number: 707/MAS/95
Countries applicable: IN
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: JP
Application number: 96-500499
Countries applicable: JP
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: JP
Application number: 96-500498
Countries applicable: JP
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: KR
Application number: 706250/96
Countries applicable: KR
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: KR
Application number: 706251/96
Countries applicable: KR
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: NO
Application number: 965034
Countries applicable: NO
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: NZ
Patent number: 285840
Countries applicable: NZ, PCT
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: NZ
Patent number: 285839
Countries applicable: NZ, PCT
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: SG
Application number: 9603021-8
Countries applicable: SG
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: SG
Application number: 9604081-1
Countries applicable: SG
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Telecommunications System
Country: US
Application number: 673474/08
Countries applicable: US
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: AU
Application number: 65245/96
Countries applicable: AU
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: BR
Application number: 9609577-6
Countries applicable: BR
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: CA
Application number: 2227273
Countries applicable: CA
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: CN
Application number: 96196861.3
Countries applicable: CN
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: EPO
Application number: 96924979.6
Countries applicable: BE, DK, FI, FR, DE, IE, IT, NL, PT, ES, SE, CH, GB
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: HK
Application number: tba
Countries applicable: HK
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: IN
Application number: 1287/MAS/96
Countries applicable: IN
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: JP
Application number: 97-506424
Countries applicable: JP
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: KR
Application number: 700512/98
Countries applicable: KR
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: Malaysia
Application number: PI9602981
Countries applicable: MY
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: MX
Application number: 980652
Countries applicable: MX
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: NO
Application number: 980260
Countries applicable: NO
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: NZ
Application number: 313228
Countries applicable: NZ
Standard(s): GSM 02.53

Company: BT
Project: GSM
Title: Transmission of Digital Signals
Country: SG
Application number: 9801617-3
Countries applicable: SG
Standard(s): GSM 02.53

Company:	BT
Project:	GSM
Title:	Transmission of Digital Signals
Country:	US
Application number:	983578/08
Countries applicable:	US
Standard(s):	GSM 02.53

Company:	BT
Project:	GSM
Title:	Voice Activity Detector
Country:	CA
Patent number:	CA 1335003
Countries applicable:	CA
Notes:	BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied by a licensee. BT contact (see note 2).

Company:	BT
Project:	GSM
Title:	Voice Activity Detector
Country:	EPC
Patent number:	EP 0 335 521
Countries applicable:	AT, BE,CH, DE, ES, FR, GB, GR, IT, LU, NL, SE
Notes:	BT have stated that the identified patent may be relevant to the full rate GSM voice activity detector, that the patent claims priority from GB 8805795, and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied by a licensee.

Company:	BT
Project:	GSM
Title:	Voice Activity Detector
Country:	EPC
Patent number:	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:	BT
Project:	GSM
Title:	Voice Activity Detector
Country:	HK
Patent number:	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: BT
Project: GSM
Title: Voice Activity Detector
Country: IE
Patent number: 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: BT
Project: GSM
Title: Voice Activity Detector
Country: NZ
Patent number: 228290
Countries applicable: NZ
Notes: BT have stated that the identified patents may be relevant to the full rate GSM Voice Activity Detector, that the patents claim priority form GB 880 9795 and that the patent was the subject of a BT/ETSI undertaking dated 4th April 1990. It should be noted that the provisions of this undertaking provides for royalty free licences if certain conditions are satisfied by a licensee. BT contact (see note 2).

Company: BT
Project: GSM
Title: Voice Activity Detector
Country: PCT
Application number: PCT/GB89/00247
Patent number: Published WO 89/08910
Countries applicable: AU, BR, DK, EP, FI, JP, KR, NO
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: BT
Project: GSM
Title: Voice Activity Detector
Country: PT
Patent number: 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: BT
Project: GSM
Title: Voice Activity Detector
Country: SG
Patent number: 9691600-2
Countries applicable: SP
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: BT
Project: GSM
Title: Voice Activity Detector for Half Rate GSM Coder
Country: IN
Application number: 890/MAS/94 (filed 13 Sept. 94)
Standard(s): 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: BT
Project: GSM
Title: Voice Activity Detector for Half Rate GSM Coder
Country: Malaysia
Application number: PI 9402448 (filed 14 Sept. 94)
Standard(s): ETS 300 581-6 and 300 580-7
Notes: BT have stated that: the identified patent applications may be relevant to the half rate GSM voice activity detector described in the following recommendations: ETS 300 581-6 and ETS 300 580-7. The priorities claimed for the identified patent applications are as follows/ European 93307211.8 dated 14th September 1993. UK 9324967.0 dated 6th December 1993 and UK 9412451.8 dated 21st June 1994; and the BT contact is Dr Martin Read, BT Group Legal Services, Intellectual Property Department, 8th floor, Holborn Centre, 129 Holborn, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company: BT
Project: GSM
Title: Voice Activity Detector for Half Rate GSM Coder
Country: US
Application number: 158 852 (filed 29 Nov. 93)
Countries applicable: US
Standard(s): 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: Cellnet
Project: GSM
Country: n/a
Standard(s): AMR
Notes: Cellnet declared, with respect to work item and standard No AMR, that they are prepared, to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the standard, to the extent that the standard remain essential. The list provided during this AMR Selection phase may not include "pending" patents.

Company: CP8 Transac
Project: GSM
Title: - CP8 Ref: 2415
Country: FR
Patent number: 2 483 657
Standard(s): GSM 02.09, GSM 03.20 and GSM 11.11

Company:	CP8 Transac
Project:	GSM
Title:	A Device for Transmitting Signals between two Data Processing Stations
Country:	FR
Patent number:	2 483 713
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	A Method and System for Transmission of Confidential Data
Country:	FR
Patent number:	2 477 344
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
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:	FR
Patent number:	2 530 053
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	A Process and System for Transmission of Signed Messages
Country:	FR
Patent number:	2 480 539
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	Data processing System for Protecting the Secrecy of Confidential Information
Country:	FR
Patent number:	2 392 447
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	Data Processing System which Protects the Secrecy of Confidential Information
Country:	FR
Patent number:	2 389 284
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	SIM Personal Telephone Sets
Country:	FR
Patent number:	2 401 459
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	SIM Personal Telephone Sets
Country:	FR
Patent number:	2 460 506
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company:	CP8 Transac
Project:	GSM
Title:	SIM Personal Telephone Sets
Country:	FR
Patent number:	2 566 880
Countries applicable:	FR
Standard(s):	GSM 02.09, GSM 03.20 and GSM 11.11
Notes:	CP8 Transac have stated that: all of the listed patents may be Essential to the GSM Standards and be of particular relevance to the subscriber identification module (SIM), as well as the terminals (personal telephone sets). The corresponding foreign patents/patent applications can be readily identified from the listed French patents. Non-exclusive world-wide licences are available on fair, reasonable and non-discriminatory terms and conditions. They will respect the commitment made by Bull S.A. to the International Standards Organisation (ISO), which is mentioned in the introduction to ISO Standard 7816, to grant non-exclusive, non-transferrable, world-wide, irrevocable fully paid up licences, with no right to sub-licence, for the ISO standard, either independently, or in conjunction with other standards (eg GSM Standards), for FR 2 483 713 and its foreign equivalents - the fully paid up cost for this licence is FRF 25,000.00; and the fully paid up licence for FR 2 483 713 and its foreign equivalents covers the use of the ISO standard in the ETSI Standard, but does not extend to other patents, including the patents listed in the schedule.

Company: Ericsson
Project: GSM
Title: Improvements in, or relating to, Equalisers
Country: GB
Patent number: GB 2 215 567
Countries applicable: GB
Notes: Ericsson OMC Ltd

Company: Ericsson
Project: GSM
Title: Power Booster
Country: GB
Patent number: GB 2 251 768
Countries applicable: GB
Notes: Ericsson OMC Ltd

Company: Ericsson
Project: GSM
Title: Receiver Gain
Country: GB
Patent number: GB 2 233 846
Countries applicable: GB
Notes: Ericsson OMC Ltd

Company: Ericsson
Project: GSM
Title: Referring to the SMG11 AMR qualification deliverables documents, AMR-12a, §2.7
Country: n/a
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: Ericsson
Project: GSM
Title: Transmitter Power Control for Radio Telephone System.
Country: GB
Patent number: GB 2 233 517
Countries applicable: GB
Notes: Ericsson OMC Ltd

Company: France Télécom
Project: GSM
Title: Method of adapting the noise masking level in an analysis-by-synthesis speech coder employing a short-term perceptual weighting filter
Country: FR
Patent number: 2734389
Countries applicable: USA, CA, JP, CN, HK, Korea, Europe: FR, GB, DE, IT, NL, SE, DK
Notes: B-FRANC candidate of AMR selection

Company: France Télécom
Project: GSM
Title: Method of adapting the noise masking level in an analysis-by-synthesis speech coder employing a short-term perceptual weighting filter
Country: FR
Patent number: 2734389
Countries applicable: USA, CA, JP, CN, HK, Korea, FR, GB, DE, IT, NL, SE, DK
Notes: The list provided during this AMR selection phase may not include "pending" patents.

Company: INNOVATRON
Project: GSM
Country: DE
Application number: 29 33 191.7 (20/09/79)
Patent number: 29 33 191 (06.02.92)
Countries applicable: DE
Notes: Code: SCLIF1. Expiry date: 23/01/1999. Final grant secured after opposition.

Company: INNOVATRON
Project: GSM
Country: DE
Application number: 29 54 742.0 (09/03/93)
Countries applicable: DE
Notes: Code: SCLIF2. Expiry Date: 23/01/1999. Examination in progress.

Company: INNOVATRON
Project: GSM
Country: DE
Application number: 29 54 748.6 (19.12.94)
Countries applicable: DE
Notes: Code: SCLIF3. Expiry date: 23/01/1999. Examination in progress.

Company: INNOVATRON
Project: GSM
Country: JP
Application number: 500 325-54 (1979)
Patent number: 1 435 657 (25.04.98)
Countries applicable: JP
Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company: INNOVATRON
Project: GSM
Country: SE
Application number: 79 07774-9
Patent number: 431 687
Countries applicable: SE
Notes: Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company: INNOVATRON
Project: GSM
Country: US
Application number: 169 114 (17/09/79)
Patent number: 4 494 464 (13.09.83)
Countries applicable: US
Notes: Code SCLIF. Expiry date: 13/09/2000. Final grant secured.

Company: INNOVATRON
Project: GSM
Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices
Country: FR
Application number: 78-01876 (24/01/78)
Patent number: 2 415 378 (16/07/82)
Countries applicable: FR
Notes: Code: SCLIF. Expiry date: 24/01/1998. Final grant secured.

Company:	INNOVATRON
Project:	GSM
Title:	Method and Apparatus for Coupling Smart Cards to Transfer Devices
Country:	GB
Application number:	32 293/79 (23/01/79)
Patent number:	2 036 435 (03.11.82)
Countries applicable:	GB
Notes:	Code: SCLIF. Expiry date: 23/01/1999. Final grant secured.

Company:	Libertel Groep B.V.
Project:	GSM
Country:	PCT
Application number:	PCT/NL98/00480
Patent number:	Pending
Standard(s):	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:	Libertel Groep B.V.
Project:	GSM
Title:	Number Portability
Country:	NL
Application number:	1006862
Patent number:	1006862
Countries applicable:	NL
Standard(s):	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:	Lupa Finances
Project:	GSM
Title:	Automatic Telephone Number Dialler
Country:	CH
Application number:	6127/81
Countries applicable:	CH
Notes:	An evaluation report for Lupa Finances' published European patent application, EP 0 075 120 A1 has been prepared by N&M Consultancy Limited, at the request of the ETSI Secretariat, and a copy of this report can be made available to ETSI Members, on REQUEST, from the ETSI Secretariat.

Company:	Lupa Finances
Project:	GSM
Title:	Automatic Telephone Number Dialler
Country:	EPC
Patent number:	Published A1-0 075 120
Countries applicable:	AT, BE, DE, FR, GB, IT, LU, NL, SE
Notes:	An evaluation report for Lupa Finances' published European patent application, EP 0 075 120 A1 has been prepared by N&M Consultancy Limited, at the request of the ETSI Secretariat, and a copy of this report can be made available to ETSI Members, on REQUEST, from the ETSI Secretariat.

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: AU
Application number: 622 543
Countries applicable: AU
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: BR
Application number: PI 900 1902.4
Countries applicable: BR
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: CA
Application number: 2 015 237
Countries applicable: CA
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: EPC
Application number: 0398773 B1
Countries applicable: AT, BE, CH, DE, DK, ES, GB, IT, LI, LU, NL, SE
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: FI
Application number: 90 2080
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: FR
Application number: 89 05 469
Countries applicable: FR
Standard(s): GSM 04.08 and 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: IE
Application number: 65 521
Countries applicable: IE
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: JP
Application number: 1 986 761
Countries applicable: JP
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: NO
Application number: 90 18 15
Countries applicable: NO
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: PT
Application number: 93 870
Countries applicable: PT
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: US
Application number: 5 128 925
Countries applicable: US
Standard(s): GSM 04.08, version 05.10

Company: Matra
Project: GSM
Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de communication à multiplexage dan
Country: FR
Application number: 90 10 485
Countries applicable: FR
Standard(s): GSM 04.08, V4.9.0

Company: Matra
Project: GSM
Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Communication avec les Mobiles
Country: AU
Application number: 638 160
Countries applicable: AU
Standard(s): GSM 04.08, V4.9.0

Company: Matra
Project: GSM
Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Communication avec les Mobiles
Country: EPC
Application number: 0472 460 B1
Countries applicable: BE, DE, DK, ES, GB, IT, LU, NL, SE
Standard(s): GSM 04.08, V4.9.0

Company: Matra
Project: GSM
Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Communication avec les Mobiles
Country: FI
Application number: 91 03 903
Countries applicable: FI
Standard(s): GSM 04.08, V4.9.0

Company: Matra
Project: GSM
Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de communication avec les mobiles
Country: FR
Application number: 90 10 485
Standard(s): GSM 04.08, V4.9.0

Company: Mitsubishi Electric
Project: GSM
Title: Control Device for Radio Communication Apparatus
Country: CA
Patent number: CA 2 038 645
Countries applicable: CA
Standard(s): GSM 05 series
Notes: TDMA Timing Control

Company: Mitsubishi Electric
Project: GSM
Title: Control Device for Radio Communication Apparatus
Country: EPC
Patent number: EP 0464 314 A
Countries applicable: GB, FR, DE, SE
Standard(s): GSM 05 series
Notes: TDMA Timing Control

Company: Mitsubishi Electric
Project: GSM
Title: Control Device for Radio Communication Apparatus
Country: JP
Patent number: Published JP 406 882 7
Countries applicable: JP
Standard(s): GSM 05 series
Notes: TDMA Timing Control

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: DK
Patent number: DK 8 801 699
Countries applicable: DK
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: HK
Patent number: HK 923/94
Countries applicable: HK
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: JP
Patent number: Published JP 63245142
Countries applicable: JP
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: NO
Patent number: NO 174 448 B
Countries applicable: NO
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: SE
Patent number: Published SE 8 801 191
Countries applicable: SE
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Pogress
Country: SG
Patent number: SG 606/64
Countries applicable: SI
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Progress
Country: CA
Patent number: CA 1 306 014
Countries applicable: CA
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Progress
Country: GB
Patent number: GB2 204 215
Countries applicable: GB
Standard(s): GSM 03.09 and 05.08

Company: Mitsubishi Electric
Project: GSM
Title: Method and Apparatus for Handoff of in Call Progress
Country: US
Patent number: US 5 067 171
Countries applicable: US
Standard(s): GSM 03.09 and 05.08

Company: Motorola
Project: GSM
Title: An Antenna Array for a Cellular RF Communications System.
Country: DE
Patent number: P. 28 06 178
Countries applicable: DE
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: An Antenna Array for a Cellular RF Communications System.
Country: GB
Patent number: 1 573 560
Countries applicable: GB
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Cellular Radio Telephone with Dropped Call Protection
Country: EPC
Patent number: Published A2-0 325 713
Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Cellular Radio Telephone with Dropped Call Protection
Country: FI
Patent number: Published 88 5520
Countries applicable: FI
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Cellular Voice & Data Telephone System
Country: DK
Application number: 859/86
Countries applicable: DK
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Cellular Voice & Data Telephone System
Country: EPC
Patent number: EP B1 0188 554
Countries applicable: AT, BE, CH, DE, FR, GB, IT, NL, SE.
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Cellular Voice & Data Telephone System
Country: FI
Patent number: 79 768
Countries applicable: FI
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Cellular Voice & Data Telephone System
Country: NO
Patent number: 169 810
Countries applicable: NO
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Clock Rate Matching in Independent Networks
Country: FR
Patent number: 9202058
Countries applicable: FR
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Colocated Cellular Radiotelephone Systems
Country: EPC
Application number: 88306565.8
Countries applicable: EP
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Data Signalling System
Country: DK
Patent number: Published 170 082
Countries applicable: DK
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Data Signalling System
Country: EPC
Patent number: EP 0 116 577
Countries applicable: FR, GB, DE, NL, LI, SE, CH

Company: Motorola
Project: GSM
Title: Data Signalling System
Country: IT
Patent number: 1 168 619
Countries applicable: IT
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Data Signalling System
Country: NO
Patent number: 169 415
Countries applicable: NO
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Digital Radio Communication System and Two-Way Radio
Country: EPC
Application number: 90 906636.7
Countries applicable: EP
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Digital Radio Communication System and Two-Way Radio
Country: FI
Application number: 91 5002
Patent number: FI
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Digital radio communication system and two-way radio
Country: NO
Application number: PCT/US 90/01829
Countries applicable: NO
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Digital Speech Coding having improved Vector Excitation Source
Country: DK
Application number: 4381/89
Countries applicable: DK
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Digital Speech Coding having improved Vector Excitation Source
Country: EPC
Patent number: Published B1-0372008
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Digital Speech Coding having improved Vector Excitation Source
Country: FI
Application number: 894151
Countries applicable: FI
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Digital Speech Coding having improved Vector Excitation Source
Country: NO
Application number: 893202
Countries applicable: NO
Standard(s): GSM 06.20.

Company: Motorola
Project: GSM
Title: Error Protection for Multi-Mode Speech Coders
Country: EPC
Patent number: Published A1-0556354
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: General Purpose Data Control System
Country: DK
Patent number: Published 129 884
Countries applicable: DK
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: General Purpose Data Control System
Country: EPC
Patent number: EP B1 0115 507
Countries applicable: CH, DE, FR, GB, NL, LI, SE
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: General Purpose Data Control System
Country: GB
Application number: 9422823.6
Countries applicable: GB
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: General Purpose Data Control System
Country: IT
Patent number: 1 168 620
Countries applicable: IT
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: General Purpose Data Control System
Country: NO
Patent number: 173 799
Countries applicable: NO
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Handoff Apparatus and Method with Interference Reduction for Radio System
Country: EPC
Patent number: Published A2-0255628
Countries applicable: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE
Standard(s): GSM 05.08

Company: Motorola
Project: GSM
Title: Local PSTN Interconnect with Remote Signal Link Processing
Country: DE
Patent number: P 4105884.4
Countries applicable: DE
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: LPC Based Speech Synthesis with Adaptative Pitch Pre-Filter
Country: EPC
Patent number: Published A4-0496829
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Method and Apparatus for Controlling a TDM Communication Device
Country: EPC
Patent number: Published A1-0538546
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: Method and Apparatus for Controlling a TDM Communication Device
Country: EPC
Patent number: Published A2-0412583
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: Method and Apparatus for Controlling a TDM Communication Device
Country: EPC
Patent number: Published B1-0261127
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder
Country: DE
Application number: P 4491015T1
Countries applicable: DE
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder
Country: FR
Patent number: Published 9401450
Countries applicable: FR
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder
Country: GB
Application number: 9420077.1
Countries applicable: GB
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Method for Generating a Spectral Noise Weighting Filter for use in a Speech Coder
Country: SE
Application number: 9403630-8
Countries applicable: SE
Standard(s): GSM 06.20

Company: 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: DE
Patent number: P 3 787 788
Countries applicable: DE
Standard(s): GSM 05.08

Company: 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: DK
Patent number: Published 165 273
Countries applicable: DK
Standard(s): GSM 05.08

Company: 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: EPC
Patent number: EP B1 0269 643
Countries applicable: AT, BE, CH, LI, FR, GB, IT, LU, NL, SE
Standard(s): GSM 05.08

Company: Motorola
Project: GSM
Title: Packet Switched Cellular Telephone System
Country: EPC
Patent number: Published A2-0 332 818
Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
Standard(s): GSM 05.08

Company: Motorola
Project: GSM
Title: Packet Switched Cellular Telephone System
Country: FI
Patent number: Published 8 901 276
Countries applicable: FI
Standard(s): GSM 05.08

Company: Motorola
Project: GSM
Title: Radio Arrangement having Two Radios Sharing Circuitry
Country: DK
Application number: 1852/89
Countries applicable: DK
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Radio Arrangement having Two Radios Sharing Circuitry
Country: EPC
Patent number: 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: Motorola
Project: GSM
Title: Radio Arrangement having Two Radios Sharing Circuitry
Country: FI
Application number: 89 2678
Countries applicable: FI
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Radio Arrangement having Two Radios Sharing Circuitry
Country: NO
Application number: 892094
Countries applicable: NO
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Selective Call Paging and Priority Signalling System
Country: DE
Patent number: P 3 382 094.5
Countries applicable: DE
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Selective Call Paging and Priority Signalling System
Country: DK
Patent number: Published 170 085
Countries applicable: DK
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Selective Call Paging and Priority Signalling System
Country: EPC
Patent number: EP B1 0115 499
Countries applicable: FR, GB, NL, SE
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Selective Call Paging and Priority Signalling System
Country: NO
Patent number: 168 079
Countries applicable: NO
Standard(s): GSM 04.08

Company: Motorola
Project: GSM
Title: Selective System Scan for Multibone Radiotelephone Subscriber Units
Country: IE
Application number: 2029/89
Countries applicable: IE

Company: Motorola
Project: GSM
Title: Selective System Scan for Multizone Radiotelephone Subscriber Units
Country: EPC
Patent number: Published A2-0 352 786
Countries applicable: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SW
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: TDM Communication System Efficient Spectrum Utilization
Country: DK
Application number: 6161/87
Countries applicable: DK
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: TDM Communication System Efficient Spectrum Utilization
Country: EPC
Patent number: Published B1 0261 112
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: TDM Communication System Efficient Spectrum Utilization
Country: FI
Patent number: 86 122
Countries applicable: FI
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: TDM Communication System Efficient Spectrum Utilization
Country: NO
Application number: 874685
Countries applicable: NO
Standard(s): GSM 05.01

Company: Motorola
Project: GSM
Title: TDMA Communication System with Adaptative Equalization
Country: EPC
Patent number: Published A2-0 343 189
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase Variation and Multipath Fading
Country: EPC
Patent number: 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: Motorola
Project: GSM
Title: TDMA Radio System employing BPSR Synchronisation for QPSK Signals subject to Random Phase Variation and Multipath Fading
Country: FI
Patent number: 97 712
Countries applicable: FI
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Trunked Communication System with Nationwide Roaming Capability
Country: EPC
Patent number: Published A1-0 398 911
Countries applicable: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE
Notes: Applies broadly to GSM.

Company: Motorola
Project: GSM
Title: Two-way personal message with extended coverage
Country: DE
Patent number: P. 3 382 107.0
Countries applicable: DE
Standard(s): GSM 03.02

Company: Motorola
Project: GSM
Title: Two-way personal message with extended coverage
Country: EPC
Patent number: EP B1 0179 898
Countries applicable: AT, BE, CH, FR, GB, LU, IT, NL, SE
Standard(s): GSM 03.02

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: DE
Application number: P 4492048.2
Countries applicable: DE
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: FR
Patent number: Published 2706064
Countries applicable: FR
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: FR
Patent number: Published 2709366
Countries applicable: FR
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: FR
Patent number: Published 2709387
Countries applicable: FR
Standard(s): GSM 06.20

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: GB
Application number: 9420077.1
Countries applicable: GB

Company: Motorola
Project: GSM
Title: Vector Quantizer Method and Apparatus
Country: SE
Application number: 9404086
Countries applicable: SE
Standard(s): GSM 06.20

Company: NEC Corporation
Project: GSM
Country: CA
Application number: 444239-3
Patent number: 1197619
Countries applicable: CA
Notes: AMR

Company: NEC Corporation
Project: GSM
Country: JP
Application number: 57-231603
Patent number: 1740692
Countries applicable: JP
Notes: AMR

Company: NEC Corporation
Project: GSM
Country: JP
Application number: 57-231605
Patent number: 1740693
Countries applicable: JP
Notes: AMR

Company: NEC Corporation
Project: GSM
Country: JP
Application number: 57-231606
Patent number: 1740694
Countries applicable: JP
Notes: AMR

Company: NEC Corporation
Project: GSM
Title: Digital cellular telecommunications system (Phase 2); Radio subsystem synchronization
Country: n/a
Patent number: 0 318 033
Countries applicable: EP (DE, GB, SE)
Standard(s): ETS 300 579 (GSM 05.10, V4.9.0)
Notes: This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) of Sophia Antipolis France.

The SIGNATORY notifies ETSI that it is the proprietor of the IPR listed in Annex I (the IPR) and informs ETSI that it believes that the IPR may be considered ESSENTIAL to the standards listed in Annex II (the STANDARD).

The SIGNATORY hereby declares that it is prepared to grant irrevocable licenses under the IPR on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, set out in Annex III, in respect of the STANDARD, to the extent that the IPR remains ESSENTIAL.
The construction, validity and performance of this DECLARATION shall be governed by the laws of France.

Signed for and on behalf of the SIGNATORY (Naoki Kyomoto, General Manager IP, Division NEC Corporation).

Company: NEC Corporation
Project: GSM
Title: Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS) interface; Data Link (DL) layer specification"
Country: n/a
Patent number: Re. 36,309
Countries applicable: USA
Standard(s): ETS 300 938 (GSM 04.06, V5.2.1)
Notes: This declaration (the DECLARATION) is given this 4th day of November 1999 by NEC Corporation of Tokyo Japan (the SIGNATORY) to the EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) of Sophia Antipolis France.

The SIGNATORY notifies ETSI that it is the proprietor of the IPR listed in Annex I (the IPR) and informs ETSI that it believes that the IPR may be considered ESSENTIAL to the standards listed in Annex II (the STANDARD).

The SIGNATORY hereby declares that it is prepared to grant irrevocable licenses under the IPR on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, set out in Annex III, in respect of the STANDARD, to the extent that the IPR remains ESSENTIAL.

The construction, validity and performance of this DECLARATION shall be governed by the laws of France.

Signed for and on behalf of the SIGNATORY (Naoki Kyomoto, General Manager IP, Division NEC Corporation).

Company: NEC Corporation
Project: GSM
Title: Method and Apparatus for Encoding Voice Signals
Country: US
Patent number: 4 716 592
Countries applicable: US
Standard(s): GSM 06.60
Notes: Relevant to prETS 300 726 "Digital cellular telecommunications system; Enhanced Full Rate (EFR) speech transcoding"

Company: NEC Corporation
Project: GSM
Title: Method and apparatus for encoding voice signals
Country: US
Application number: 565804
Patent number: 4716592
Countries applicable: US
Notes: AMR

Company:	NEC Corporation
Project:	GSM
Title:	Speech Coder
Country:	EPC
Application number:	91102440.4
Countries applicable:	DE, FR, GB
Standard(s):	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:	NEC Corporation
Project:	GSM
Title:	Speech Coder
Country:	US
Patent number:	5 208 862
Countries applicable:	US
Standard(s):	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:	NEC Corporation
Project:	GSM
Title:	Speech Parameter Coding Method and Apparatus
Country:	EPC
Application number:	92103179
Patent number:	0504 627 A2
Countries applicable:	DE, FR, GB
Standard(s):	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:	NEC Corporation
Project:	GSM
Title:	Speech Parameter Coding Method and Apparatus
Country:	US
Patent number:	5 487 128
Countries applicable:	US
Standard(s):	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:	Nokia
Project:	GSM
Country:	CA
Application number:	010 830
Countries applicable:	CA
Notes:	Nokia Mobile Phones, Finland, have stated that: Nokia's proposal for Enhanced Full Rate (EFR) speech codec for the GSM Standard resulted from co-operation between Nokia, Universite de Sherbrooke (USH) and Siprolab Telecom Inc.; USH own the identified Canadian patent application and all corresponding patents and/or patent applications - not identified by Nokia; Nokia owns the identified UK patent application; and Nokia has the exclusive right to licence any patents owned by USH, or Siprolab which are Essential to the implementation of the EFR codec for the GSM Standard.

Company: Nokia
Project: GSM
Country: GB
Application number: GB 9512284
Countries applicable: GB
Notes: Nokia Mobile Phones, Finland, have stated that: Nokia's proposal for Enhanced Full Rate (EFR) speech codec for the GSM Standard resulted from co-operation between Nokia, Universite de Sherbrooke (USH) and Siprolab Telecom Inc.; USH own the identified Canadian patent application and all corresponding patents and/or patent applications - not identified by Nokia; Nokia owns the identified UK patent application; and Nokia has the exclusive right to licence any patents owned by USH, or Siprolab which are Essential to the implementation of the EFR codec for the GSM Standard.

Company: Nokia
Project: GSM
Country: GB
Patent number: 9605123
Countries applicable: GB
Notes: AMR

Company: Nokia
Project: GSM
Country: US
Patent number: 5444816
Countries applicable: US
Notes: AMR

Company: Nokia
Project: GSM
Country: US
Patent number: 4969192
Countries applicable: US
Notes: AMR

Company: Nokia
Project: GSM
Country: US
Patent number: 5664053
Countries applicable: US
Notes: AMR

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: AU
Application number: AU 9644796
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: DE
Application number: 19604273.9
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: FR
Application number: 9601426
Patent number: FR 2730336
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: GB
Application number: 9602391.6
Patent number: GB 2297671
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: PCT
Application number: PCT/CA96/00069
Patent number: WO 9624925
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: ZA
Application number: 96/0852
Patent number: ZA 96/0852
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: AU
Application number: AU 24104/95
Patent number: AU 682112
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: EPC
Application number: EP 95918002.7
Patent number: EP 709015
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: FI
Application number: FI 942191
Patent number: FI 96468
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: JP
Application number: JP 7-529392
Patent number: JP 9504153
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: NO
Application number: NO 960118
Patent number: NO 9600118
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Control Of Handover And Transmission Power Control Of Mobile Station In A Mobile Telecommunications system
Country: PCT
Application number: PCT/FI95/00249
Patent number: WO 9531879
Standard(s): GSM 05.02, GSM 05.08

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: AU
Application number: AU 35239/95
Patent number: AU 9535239
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: EPC
Application number: EP 95932031
Patent number: EP 783826
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: EPC
Application number: EP 95932032
Patent number: EP 783811
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: FI
Application number: FI 944487
Patent number: FI 96557
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: FI
Application number: FI 944488
Patent number: FI 96558
Countries applicable: FI
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: PCT
Application number: PCT/FI95/00526
Patent number: WO 9610320
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission Method In A TDMA Mobile Communication System
Country: PCT
Application number: PCT/FI95/00527
Patent number: WO 9610305
Standard(s): GSM 03.34

Company: Nokia
Project: GSM
Title: Data Transmission System With Sliding-Window Data Flow Control
Country: AU
Application number: AU 56506/96
Patent number: AU 9656506
Standard(s): GSM 04.22

Company: Nokia
Project: GSM
Title: Data Transmission System With Sliding-Window Data Flow Control
Country: EPC
Application number: EP 96913557
Patent number: EP 788702
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 04.22

Company: Nokia
Project: GSM
Title: Data Transmission System With Sliding-Window Data Flow Control
Country: FI
Application number: FI 952256
Patent number: FI 98174
Countries applicable: FI
Standard(s): GSM 04.22

Company: Nokia
Project: GSM
Title: Data Transmission System With Sliding-Window Data Flow Control
Country: PCT
Application number: PCT/FI96/00260
Patent number: WO 9636154
Standard(s): GSM 04.22

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: DE
Application number: 19609170.5
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: FR
Application number: 9602957
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: GB
Application number: 965123.0
Patent number: GB 2299001
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: PCT
Application number: PCT/CA96/00135
Patent number: WO 9628810
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: SE
Application number: 9600918-8
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Depth-first algebraic-codebook search for fast coding of speech
Country: ZA
Application number: 96/1913
Patent number: ZA 96/1913
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Dynamic codebook for efficient speech coding based on algebraic codes
Country: CA
Application number: 2010830
Patent number: CA 2010830
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Dynamic codebook for efficient speech coding based on algebraic codes
Country: EPC
Application number: 90915956.8
Patent number: EP 516621
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Dynamic codebook for efficient speech coding based on algebraic codes
Country: US
Application number: 927528
Patent number: US 5444816
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Facsimile Transmission In A Mobile Communication System
Country: AU
Application number: AU 48334/96
Patent number: AU 9648334
Standard(s): GSM 03.45

Company: Nokia
Project: GSM
Title: Facsimile Transmission In A Mobile Communication System
Country: EPC
Application number: EP 96904119
Patent number: EP 759247
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 03.45

Company: Nokia
Project: GSM
Title: Facsimile Transmission In A Mobile Communication System
Country: FI
Application number: FI 951020
Patent number: FI 100213
Countries applicable: FI
Standard(s): GSM 03.45

Company: Nokia
Project: GSM
Title: Facsimile Transmission In A Mobile Communication System
Country: NO
Application number: NO 964687
Patent number: NO 9604687
Standard(s): GSM 03.45

Company: Nokia
Project: GSM
Title: Facsimile Transmission In A Mobile Communication System
Country: PCT
Application number: PCT/FI96/00136
Patent number: WO 9627975
Standard(s): GSM 03.45

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: AU
Application number: AU 48332/96
Patent number: AU 9648332
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: AU
Application number: AU 41186/96
Patent number: AU 9641186
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: EPC
Application number: EP 96904117.7
Patent number: EP 0813779
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: EPC
Application number: EP 95939304.2
Patent number: EP 801853
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: FI
Application number: FI 951019
Patent number: FI 100212
Countries applicable: FI
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: FI
Application number: FI 945817
Patent number: FI 97187
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: NO
Application number: NO 972629
Patent number: NO 9702629
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: PCT
Application number: PCT/FI96/00134
Patent number: WO 9627959
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: High-Speed Data Transmission In Mobile Communication Networks
Country: PCT
Application number: PCT/FI95/00673
Patent number: WO 9618248
Standard(s): GSM 04.21

Company: Nokia
Project: GSM
Title: Location updating for a packet-switched data service in a mobile communication system
Country: AU
Application number: AU 2778795
Patent number: AU 9527787
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Location updating for a packet-switched data service in a mobile communication system
Country: EPC
Application number: EP 95915211.7
Patent number: EP 754395
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Location updating for a packet-switched data service in a mobile communication system
Country: FI
Application number: FI 941652
Patent number: FI 95984
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Location updating for a packet-switched data service in a mobile communication system
Country: PCT
Application number: PCT/FI95/00191
Patent number: WO 9528063
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: AU
Application number: AU 28887/95
Patent number: AU 9528887
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: EPC
Application number: EP 95924336.1
Patent number: EP 722634
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: FI
Application number: FI 943302
Patent number: FI 96650
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: JP
Application number: JP 8-504136
Patent number: JP 9506491
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: NO
Application number: NO 960979
Patent number: NO 9600979
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method And Apparatus For Speech Transmission In A Mobile Communications System
Country: PCT
Application number: PCT/FI95/00390
Patent number: WO 9602091
Standard(s): GSM 05.03

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: DE
Application number: 88306554.2
Patent number: DE 3889800.4
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: DK
Application number: 4219/88
Patent number: DK 169158
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: EPC
Application number: 88306554.2
Patent number: EP 0301740
Countries applicable: NL, BE, ES, AT, GR, LU, CH, LI
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: FI
Application number: 873309
Patent number: FI 77550
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: FR
Application number: 88306554.2
Patent number: FR 0301740
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: GB
Application number: 88306554.2
Patent number: GB 0301740
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: IT
Application number: 88306554.2
Patent number: IT 0301740
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: JP
Application number: 187037/1988
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: NO
Application number: 88.3330
Patent number: NO 173679
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: PT
Application number: 88126
Patent number: PT 88126
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: SE
Application number: 88306554.2
Patent number: SE 0301740
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Method for locking to the user's card in a portable radio telephone
Country: US
Application number: 221079
Patent number: US 4868846
Standard(s): GSM 02.22

Company: Nokia
Project: GSM
Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet Radio Networks
Country: AU
Application number: AU 43928/96
Patent number: AU 9643928
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet Radio Networks
Country: EPC
Application number: EP 96900336.7
Patent number: EP 804844
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet Radio Networks
Country: FI
Application number: FI 950116
Patent number: FI 98586
Countries applicable: FI
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Packet Radio System And Methods For A Protocol-Independent Routing Of A Data Packet In Packet Radio Networks
Country: PCT
Application number: PCT/FI96/00019
Patent number: WO 9621983
Standard(s): GSM 03.60

Company: Nokia
Project: GSM
Title: Predictive split-matrix quantization of spectral parameters for efficient coding of speech
Country: PCT
Application number: PCT/CA96/00202
Patent number: WO 9631873
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: Speech synthesiser
Country: PCT
Application number: PCT/GB96/01428
Patent number: WO 9700516
Standard(s): GSM 6.60

Company: Nokia
Project: GSM
Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface
Country: AU
Application number: 17857/95
Standard(s): GSM 03.64

Company: Nokia
Project: GSM
Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface
Country: CN
Application number: 95105074.5
Standard(s): GSM 03.64

Company: Nokia
Project: GSM
Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface
Country: EPC
Application number: 95303040.0
Countries applicable: NL, IT, AT, FR, SE, CH, DE, GB
Standard(s): GSM 03.64

Company: Nokia
Project: GSM
Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface
Country: FI
Application number: 942038
Patent number: FI 98426
Standard(s): GSM 03.64

Company: Nokia
Project: GSM
Title: System for transmitting packet data in digital cellular time division multiple access (TDMA) air interface
Country: US
Application number: 431559
Patent number: US 5640395
Standard(s): GSM 03.64

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: AU
Application number: 42618/96
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: DE
Application number: 19546577.6
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: FI
Application number: 950419
Patent number: FI 99066
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: FR
Application number: 9514959
Patent number: FR 2730117
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: GB
Application number: 9525966.9
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: PCT
Application number: PCT/FI95/00687
Patent number: WO 9624200
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Telecommunications system
Country: SE
Application number: 9504541-5
Standard(s): GSM 05.02

Company: Nokia
Project: GSM
Title: Vector adaptive predictive coder for speech and audio
Country: CA
Patent number: CA 1336454
Standard(s): GSM 6.60, GSM 06.20

Company: Nokia
Project: GSM
Title: Vector adaptive predictive coder for speech and audio
Country: EPC
Application number: 92108904.1
Countries applicable: DE, FR, GB, IT
Standard(s): GSM 6.60, GSM 06.20

Company: Nokia
Project: GSM
Title: Vector adaptive predictive coder for speech and audio
Country: JP
Application number: 84973/1988
Standard(s): GSM 6.60, GSM 06.20

Company: Nokia
Project: GSM
Title: Vector adaptive predictive coder for speech and audio
Country: US
Application number: 35615
Patent number: US 4969192
Standard(s): GSM 6.60, GSM 06.20

Company: NORTEL Northern Telecom Ltd.
Project: GSM
Title: Methods and apparatus for noise conditioning in digital speech compression using linear predictive coding
Country: CA
Patent number: US 5642464
Countries applicable: CA, US, Europe
Notes: Nortel has stated that, in accordance with the ETSI Interim IPR Policy, Article 4.1 and in relation to the work item No AMR, they are prepared to grant irrevocable licences under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim IPR Policy, in respect of the Standard, to the extent that the IPRs remain essential.

Company: NTT
Project: GSM
Title: All-pole Digital Filter
Country: JP
Patent number: JP 63 - 32288
Countries applicable: JP

Company: NTT
Project: GSM
Title: Encoding and Decoding Method for Speech Excitation Signals
Country: JP
Patent number: JP3 - 167124
Countries applicable: JP

Company: NTT
Project: GSM
Title: Method and Apparatus for Multiplexed Vector Quantization
Country: CA
Patent number: 1 311 060
Countries applicable: CA

Company: NTT
Project: GSM
Title: Method and Apparatus for Multiplexed Vector Quantization
Country: EPC
Patent number: EP 0 314 018
Countries applicable: GB, DE, FR, SW

Company: NTT
Project: GSM
Title: Method and Apparatus for Multiplexed Vector Quantization
Country: JP
Patent number: 2 061 805
Countries applicable: JP

Company: NTT
Project: GSM
Title: Method and Apparatus for Multiplexed Vector Quantization
Country: US
Patent number: 4 992 508
Countries applicable: US

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: CA
Patent number: 1 157 5634
Countries applicable: CA

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: DE
Patent number: 3 037 276
Countries applicable: DE

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: FR
Patent number: 2 766 828
Countries applicable: FR

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: GB
Patent number: 2 059 726
Countries applicable: GB

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: GB
Patent number: 2 131 659
Countries applicable: GB

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: NL
Patent number: 8 005 449
Countries applicable: NL

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: SE
Patent number: 8 006 850
Countries applicable: SE

Company: NTT
Project: GSM
Title: Sound Synthesizer
Country: US
Patent number: 4 393 272
Countries applicable: US

Company: NTT
Project: GSM
Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks
Country: EPC
Patent number: EP 0 514 912
Countries applicable: GB, DE, FR

Company: NTT
Project: GSM
Title: Speech Coding and Decoding Methods using Adaptative and Random Codebooks
Country: US
Patent number: 5 396 576
Countries applicable: US

Company: NTT
Project: GSM
Title: Speech Coding Method and Apparatus for the same
Country: EPC
Application number: EP 93401656.9
Countries applicable: DE, FR, GB, IT

Company: NTT
Project: GSM
Title: Speech Coding Method and Apparatus for the same
Country: EPC
Application number: EP 96202584.7 (Divided out of EP 93401656.9)
Countries applicable: DE, FR, GB, IT

Company: NTT
Project: GSM
Title: Speech Coding Method and Apparatus for the same
Country: US
Application number: 08/082 103
Countries applicable: US

Company: NTT
Project: GSM
Title: Speech Coding-Decoding Method
Country: JP
Patent number: JP3 - 117646
Countries applicable: JP

Company: Omnipoint
Project: GSM
Title: Multipulse LPC Speech Processing Arrangement
Country: GB
Patent number: 0 175 752
Countries applicable: UK
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: Philips
Project: GSM
Country: DE
Patent number: DE-PS 32 09 381

Company: Philips
Project: GSM
Country: DE
Patent number: DE-PS 34 10 937

Company: Philips
Project: GSM
Country: EPC
Application number: 87200545.9
Patent number: EP 0 240 073 B1

Company: Philips
Project: GSM
Title: Dienstintegriertes Funkübertragungssystem
Country: EPC
Application number: 86200724.2
Patent number: EP 0 201 126 B1

Company: Philips
Project: GSM
Title: Digitales Funkübertragungssystem mit variabler Zeitschlitzdauer der Zeitschlitze im Zeitmultiplexrahmen
Country: EPC
Application number: 86201267.1
Patent number: EP 0 210 698

Company: Philips
Project: GSM
Title: Improvements in or relating to Digital Filters
Country: GB
Application number: 8104155
Patent number: GB 2069799
Countries applicable: GB

Company: Philips
Project: GSM
Title: Information transmission system
Country: GB
Application number: 8008510
Patent number: GB 2063011
Countries applicable: GB

Company: Philips
Project: GSM
Title: Multi-pulse excitation linear-predictive speech coder
Country: EPC
Application number: 86200434.8
Patent number: EP 0 195 487 B1

Company: Philips
Project: GSM
Title: Multiple-access communications system
Country: EPC
Application number: 84201107.4
Patent number: EP 0 134 057

Company: Philips
Project: GSM
Title: Procédé pour reconnaître l'utilisation illicite d'une identification
Country: FR
Application number: 8504296
Patent number: FR 256 184 1
Countries applicable: FR

Company: Philips
Project: GSM
Title: TDMA system of transmitting information between a central station and sub-stations
Country: GB
Application number: 8207811
Patent number: GB 209 55 16
Countries applicable: GB

Company: Philips
Project: GSM
Title: Verfahren und Steuereinrichtung zum Auswählen eines Organisationskanals in einer beweglichen Funkstation eines Funkübertragungs
Country: EPC
Application number: 83201767.7
Patent number: EP 0 111 972 B1

Company: Philips
Project: GSM
Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene Organisationskanäle eines Funkübertragungssys
Country: EPC
Application number: 83201766.9
Patent number: EP 0 111 971 B1

Company: Philips
Project: GSM
Title: Verfahren und Steuereinrichtung zur Verteilung der Verkehrsmenge auf verschiedene Organisationskanäle eines Funkübertragungssys
Country: EPC
Application number: 83201765.1
Patent number: EP 0 111 970 B1

Company: Philips
Project: GSM
Title: Verfahren zum Zugreifen auf Übertragungskanäle eines Nachrichtenübertragungssystems
Country: EPC
Application number: 82107529.8
Patent number: EP 0 073 014 B1

Company: Philips
Project: GSM
Title: Verfahren zur Überwachung einer zwischen ortsfester Funkstation und beweglicher Funkstation bestehenden Funkverbindung
Country: EPC
Application number: 83201768.5
Patent number: EP 0 111 973 B1

Company: Robert Bosch GmbH
Project: GSM
Title: Nachrichtenübertragungsverfahren
Country: DE
Patent number: DE 35 37 105 C2
Countries applicable: DE
Standard(s): GSM 04.06, GSM 05.02, GSM 05.08

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Decodieren von Binärsignalen
Country: EPC
Application number: EP 92118663.1
Patent number: EP 0542065 A2
Standard(s): GSM 06.21, V5.0.1

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: DE
Application number: DE 19544367
Countries applicable: DE
Standard(s): GSM 04.53
Notes: Same patent application as EP 96934415.9

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: DE
Application number: DE 19650140
Countries applicable: DE
Standard(s): GSM 04.53
Notes: Same patent application as EP 97119992.2

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: DE
Application number: DE 19650141
Countries applicable: DE
Standard(s): GSM 04.53
Notes: Same patent application as EP 97119761.1

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: EPC
Application number: EP 96934415.9
Countries applicable: EPC
Standard(s): GSM 04.53
Notes: Same patent application as DE 19544367

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: EPC
Application number: EP 97119992.2
Countries applicable: EPC
Standard(s): GSM 04.53
Notes: Same patent application as DE 19650140

Company: Robert Bosch GmbH
Project: GSM
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: EPC
Application number: EP 97119761.1
Countries applicable: EPC
Standard(s): GSM 04.53
Notes: Same patent application as DE 19650141

Company: Rockwell Semiconductor Systems
Project: GSM
Title: Delayed decision switched prediction multistage LSF vector quantization
Country: n/a
Application number: n/a
Patent number: 5774839
Countries applicable: US
Notes: AMR

Company: Rockwell Semiconductor Systems
Project: GSM
Title: Method and apparatus for generating frame voicing decisions of an incoming speech signal
Country: n/a
Application number: n/a
Patent number: 5774849
Countries applicable: US
Notes: AMR

Company: Rockwell Semiconductor Systems
Project: GSM
Title: Spike code-excited linear prediction
Country: n/a
Application number: n/a
Patent number: 5664054
Countries applicable: US
Notes: AMR

Company: Rockwell Semiconductor Systems
Project: GSM
Title: Usage of voice activity detection for efficient coding of speech
Country: n/a
Application number: n/a
Patent number: 5689615
Countries applicable: US
Notes: AMR

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 97/936 723.2
Countries applicable: EP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 10-507676
Countries applicable: JP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 96/09727
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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 08/01/96.

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: PCT/FR98/02753
Countries applicable: WO
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 217/97
Countries applicable: AE
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: PCT/US97/18999
Countries applicable: AU, BR, CN, EP, 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 86115695
Countries applicable: TW
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 60/029,057
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 08/957,512
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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 10/24/97.

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 97/9479
Countries applicable: ZA
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 98 801156.5
Countries applicable: CN
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 98/946 633.9
Countries applicable: EP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 11-518753
Countries applicable: JP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 60/059,382
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 09/156,371
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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 09/17/98.

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 60/050,631
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 08/932,270
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: PCT/US98/17605
Countries applicable: WO
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 60/133,300
Countries applicable: US
Notes: SCHLUMBERGER draws the attention of the ETSI to the patent applications and patents listed in the enclosed annex and which may be essential to the GSM standards and GSM standard proposals. SCHLUMBERGER declares that it is prepared to grant irrevocable licenses on fair, reasonable and non-discriminatory terms and conditions under such patent applications and patents in accordance with Annex 6, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 97/401620.6
Countries applicable: EP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 96/08916
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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 15/07/96.

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 9-189917
Countries applicable: JP
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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 07/14/97

Company: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 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, paragraphe 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: Schlumberger Systèmes
Project: GSM
Country: FR
Patent number: 96/09728
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, paragraphe 6.1 of the ETSI directives, in respect to the GSM standards and to the extent that said patent applications and patents become essential to said GSM standards, the meaning of the term essential being defined in Annex 6, part 15 of the ETSI directives. The same applies for any patent application which may be filed claiming the priority of one of the above cited patent applications and for any patent which may be granted on the basis of said patent applications. Filing date: 08/01/96

Company: Siemens AG
Project: GSM
Title: AMR
Country: n/a
Notes: Siemens AG has declared that, in accordance with the ETSI IPR Policy, Article 4.1, it has no IPRs which are likely to become Essential to the technical proposal identified as Adaptive Multirate Coder (AMR). In case an IPR owned by Siemens AG is likely to become Essential to AMR, Siemens AG will draw ETSI's attention to it and will be prepared to grant licenses subject to the conditions defined in Annex 2 of the IPR Licensing Declaration.

Company:	Siemens AG
Project:	GSM
Title:	Einrichtung zur zweiseitigen drahtlosen Übertragung von Sprache
Country:	DE
Patent number:	DE 32 25 443
Countries applicable:	DE
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company:	Siemens AG
Project:	GSM
Title:	Fernmeldenetz sowie Teilnehmerstationen und Zentralstation für ein Fernmeldenetz
Country:	DE
Patent number:	DE 36 38 735
Countries applicable:	DE
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company:	Siemens AG
Project:	GSM
Title:	Method of Jam-Resistent Communication Transmission
Country:	CA
Application number:	CA 1238 951
Countries applicable:	CA
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company:	Siemens AG
Project:	GSM
Title:	Method of Jam-Resistent Communication Transmission
Country:	DE
Patent number:	DE 30 23 375
Countries applicable:	DE
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company:	Siemens AG
Project:	GSM
Title:	Method of Jam-Resistent Communication Transmission
Country:	US
Patent number:	US 4,843,612
Countries applicable:	US
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company:	Siemens AG
Project:	GSM
Title:	Timing Advance Control
Country:	EPC
Patent number:	EP 0 240 821
Countries applicable:	AT, DE, ES, FR, GB, IT, SE
Notes:	Siemens AG declares that it has existing patents or may in the future obtain patents, which are essential or potentially essential for manufacturing and selling implementations of the GSM Standards and/or the DCS 1800 Standards.

Company: Sun Microsystems, Inc.
Project: GSM
Country: n/a
Standard(s): GSM 03.19
Notes: We believe Sun Microsystems, Inc. ("Sun") may have Essential IPR relating to GSM 03.19, and Sun is prepared to grant licenses under such IPR on fair, reasonable and non discriminatory terms and conditions to the extent required by Section 6.1 of Annex 6 (ETSI Intellectual Property Rights Policy). I should point out that Sun has already granted licenses for the use of our Java Card technology to most of the existing SIM card manufacturers. We believe that the terms and conditions of these agreements satisfy the standard of fair, reasonable and non-discriminatory.

Company: 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: EPC
Application number: 94900333.9

Company: Telia AB
Project: GSM
Title: A Method and Arrangement for Performance Monitoring in a Telecommunications Network
Country: EPC
Application number: 92850263.2

Company: Telia AB
Project: GSM
Title: A Mobile Telecommunication System having aa Auxilliary Routing Arrangement
Country: EPC
Application number: 92850286.3

Company: Telia AB
Project: GSM
Title: Anntenna Arrangement Device
Country: EPC
Application number: 92850035.2

Company: Telia AB
Project: GSM
Title: Arrangement in Mobile Communication System for extending the range between one or more Mobile Units and Base Stations
Country: EPC
Application number: 94904363.2

Company: Telia AB
Project: GSM
Title: Device for increasing the speed in a Digital Mobile Radio System
Country: EPC
Application number: 95850184.3

Company: Telia AB
Project: GSM
Title: Method and Arrangement for increasing capacity in a Mobile Telephone System
Country: EPC
Application number: 91903207.8
Patent number: 0 513 089 B1

Company: Telia AB
Project: GSM
Title: Method for locating Mobile Stations in a Digital Telephone Network
Country: EPC
Application number: 94850095.4

Company:	Telia AB
Project:	GSM
Title:	Method of Location in a Mobile Radio System
Country:	EPC
Application number:	91916715.5
Patent number:	0 551 310 B1

Company:	Telia AB
Project:	GSM
Title:	Procedure at Telecommunications Systems which makes possible a reduction of the Digital Processing
Country:	PCT
Application number:	PCT/SE 95/00850

HDSL

Company: Nokia
Project: HDSL
Title: Method For Connecting An HDSL Transmission Link To A SDH Network
Country: AU
Application number: AU 20202/95
Patent number: AU 9520202
Standard(s): ETR 152, RTR/TM-06002

Company: Nokia
Project: HDSL
Title: Method For Connecting An HDSL Transmission Link To A SDH Network
Country: EPC
Application number: EP 95303476.6
Patent number: EP 683580
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
Standard(s): ETR 152, RTR/TM-06002

Company: Nokia
Project: HDSL
Title: Method For Connecting An HDSL Transmission Link To A SDH Network
Country: FI
Application number: FI 942372
Patent number: FI 96080
Standard(s): ETR 152, RTR/TM-06002

Company: Nokia
Project: HDSL
Title: Method For Connecting An HDSL Transmission Link To A SDH Network
Country: NZ
Application number: NZ 272163
Patent number: NZ 272163
Standard(s): ETR 152, RTR/TM-06002

HIPERLAN

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: CA
Application number: 2 132 626
Countries applicable: CA
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: Europe
Application number: 94 905 162
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: FR
Application number: 93 00750
Countries applicable: FR
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: FR
Application number: 95 09928
Countries applicable: FR
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: JP
Application number: 6-516756
Countries applicable: JP
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Transmission de Données de Type Réseau Radio, et Procédé Correspondant
Country: US
Application number: 08/307,578
Countries applicable: US
Standard(s): ETS 300 652

Company: INRIA
Project: HIPERLAN
Title: Installation de Type Réseau Radio de Transmission de Données, avec Routage
Country: FR
Application number: 95 09928
Countries applicable: FR
Standard(s): ETS 300 652

ISDN

Company: Ericsson
Project: ISDN
Title: TC-relay mechanism feature
Country: n/a
Standard(s): ETS 300 287
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: Robert Bosch GmbH
Project: ISDN
Title: Verfahren und Schaltungsanordnung zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses
Country: DE
Patent number: DE 33 22 152 C2
Countries applicable: DE
Standard(s): ETS 300 012

Company: Robert Bosch GmbH
Project: ISDN
Title: Verfahren zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses
Country: DE
Patent number: DE 33 11 386 C2
Countries applicable: DE
Standard(s): ETS 300 012

Company: Telia AB
Project: ISDN
Country: n/a
Application number: 96938566
Patent number: Pending
Countries applicable: EP
Notes: This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in Annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in Annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in Annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in Annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim IPR Policy. As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company: Telia AB
Project: ISDN
Country: n/a
Application number: 973109
Patent number: Pending
Countries applicable: NO
Notes: This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in Annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in Annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in Annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in Annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim IPR Policy. As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company: Telia ab
Project: ISDN
Country: n/a
Application number: 08/860,467
Patent number: Pending
Countries applicable: US
Notes: This statement is made 16 September 1999 by Telia AB, a Member of ETSI. The SIGNATORY has notified ETSI that it is the proprietor of the IPRs listed in Annex 1 (the IPRs) and has informed ETSI that it believes that the IPRs may be considered ESSENTIAL, or potentially ESSENTIAL, to the Standards listed in Annex 1. However, the SIGNATORY wishes to draw ETSI's attention to the fact that a positive determination of Essentiality cannot be made until a patent has been granted, pursuant to a patent application, and the STANDARD, to which the patent is believed to relate, has been adopted. The SIGNATORY also wishes it to be noted that he is under no obligation to carry out any IPR investigation, in respect of his own IPRs. The SIGNATORY does not warrant the accuracy, or completeness, of the information contained in Annex 1, and accepts no liability for any damage, or loss, resulting from reliance on this information. The SIGNATORY hereby declares that it will grant non-exclusive, irrevocable licences under the patents and/or patent applications listed in Annex 1, to the extent that, and so long as, they are ESSENTIAL to the STANDARD. Such licences will be on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim IPR Policy. As permitted by Claude 6.1 of the ETSI Interim IPR Policy, any licence granted, by the SIGNATORY, will be subject to the conditions that those who seek licences shall reciprocate.

Company: Telia AB
Project: ISDN
Country: n/a
Patent number: 504 405
Countries applicable: SE
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.

PSTN

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: BE
Patent number: 0,150,181
Countries applicable: BE
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: CA
Patent number: 1,225,726
Countries applicable: CA
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: DE
Patent number: 3,376,377
Countries applicable: DE
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: FR
Patent number: 0,150,181
Countries applicable: FR
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: GB
Patent number: 0,150,181
Countries applicable: GB
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: IPC
Patent number: WO 85/00488
Countries applicable: AT, AU, BE, BR, CH, DE, DK, FI, FR, GB, JP, LU, NL, NO, SE, SU
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: JP
Patent number: 1,832,616
Countries applicable: JP
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: NL
Patent number: 0,150,181
Countries applicable: NL
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: SE
Patent number: 0,150,181
Countries applicable: SE
Standard(s): ETS 300 659-1

Company: AT&T
Project: PSTN
Title: Transmission During Ringing
Country: US
Patent number: 4,582,956
Countries applicable: US
Standard(s): ETS 300 659-1

Company: NORTEL Northern Telecom Ltd.
Project: PSTN
Country: GB
Patent number: GB 2 2588 119 B
Countries applicable: GB
Standard(s): ETS 300 659-2

STAG

Company:	KPN
Project:	STAG
Title:	Monitoring Method and Monitoring System
Country:	n/a
Patent number:	WO 96/34506
Countries applicable:	NL, USA
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.

Company:	KPN
Project:	STAG
Title:	Monitoring Method and Monitoring System
Country:	n/a
Patent number:	EP 823187
Countries applicable:	NL, USA
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.

Television systems

Company: Philips
Project: Television systems
Country: EPC
Patent number: EP-A 0 538 466
Standard(s): ETS 300 732

TETRA

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: AU
Application number: 94-74213
Patent number: 9474213
Countries applicable: AU
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: CA
Application number: 94-2133139
Patent number: 2133139
Countries applicable: CA
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: EPC
Application number: EP 94 402 160
Patent number: EP 0 645 903
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: FR
Application number: 93 11 572
Patent number: 2710805
Countries applicable: FR
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: JP
Application number: 235504/94
Patent number: 170580/95
Countries applicable: JP
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Dummy Burst Structure
Country: US
Application number: 94-313798
Patent number: 5,583,870
Countries applicable: US
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Method for forming Groups of Communication Terminals
Country: EPC
Application number: EP 94 200 739
Patent number: EP 0 675 660
Countries applicable: AT, BE, FR, DE, IT, NL, ES, SE, CH, GB

Company: Alcatel Alsthom
Project: TETRA
Title: Method for forming Groups of Communication Terminals
Country: US
Application number: 408628
Patent number: 5,625,886
Countries applicable: US
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: AU
Application number: 94-57661
Patent number: 9457661
Countries applicable: AU
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: EPC
Application number: EP 94 400 502
Patent number: EP 0 615 353
Countries applicable: BE, FR, DE, IT, NL, ES, SE, GB
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: FI
Application number: 94-1066
Patent number: 9401066
Countries applicable: FI
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: FR
Application number: 93 02 701
Patent number: 2 702 614
Countries applicable: FR
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: JP
Application number: 94-38813
Patent number: 07007469
Countries applicable: JP
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Power Control for Radio Access
Country: US
Application number: 94-207687
Patent number: 5,564,075
Countries applicable: US
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Time Slot Steeling in a multiplexed Radio System
Country: EPC
Application number: EP 94 401 946
Patent number: EP 0 642 285
Countries applicable: AT, BE, DK, FR, DE, IT, NL, ES, SE, CH, GB
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Time Slot Steeling in a multiplexed Radio System
Country: FI
Application number: 94-4038
Patent number: 9404038
Countries applicable: FI
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Time Slot Steeling in a multiplexed Radio System
Country: FR
Application number: 93 105 67
Patent number: 2 709 893
Countries applicable: FR
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Time Slot Steeling in a multiplexed Radio System
Country: JP
Application number: 213006/94
Patent number: 254879/95
Countries applicable: JP
Notes: Part 2: Air interface

Company: Alcatel Alsthom
Project: TETRA
Title: Time Slot Steeling in a multiplexed Radio System
Country: US
Application number: 299 654
Patent number: 5,511,072
Countries applicable: US
Notes: Part 2: Air interface

Company: Marconi Communications Limited
Project: TETRA
Country: n/a
Patent number: 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: 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: EPC
Patent number: EP 0 269 643
Countries applicable: AT, BE, DK, DE (P3787788.7), FR, GB, IT, NL, SE, CH

Company: Motorola
Project: TETRA
Title: Communications Apparatus
Country: GB
Application number: GB9119186.6
Countries applicable: GB

Company: Motorola
Project: TETRA
Title: Improved Dispatched Trunked Radio System
Country: EPC
Patent number: EP 0 210 181
Countries applicable: AT, BE, FR, GB, DE (P3584248.2), IT, NL, SE, CH

Company: Motorola
Project: TETRA
Title: Packet-Switched Cellular Telephone System
Country: EPC
Application number: 89101118.1
Countries applicable: AT, BE, FR, DE, GB, GR, IT, LI, LU, NL, ES, SE, CH

Company: Motorola
Project: TETRA
Title: Radio System
Country: EPC
Application number: 93922524.9
Countries applicable: AT, DK, DE, GB, ES, SE

Company: Motorola
Project: TETRA
Title: Radio System
Country: FI
Application number: 943189
Countries applicable: FI

Company: Motorola
Project: TETRA
Title: Radio System
Country: HU
Application number: P9401972
Countries applicable: HU

Company: Motorola
Project: TETRA
Title: Radio System
Country: PL
Application number: P-304341
Countries applicable: PL

Company: Motorola
Project: TETRA
Title: Radio System
Country: Romania
Application number: 94-01115
Countries applicable: RO

Company: Motorola
Project: TETRA
Title: Radio System
Country: RU
Application number: 94035751.0
Countries applicable: RU

Company: Motorola
Project: TETRA
Title: Radio System
Country: TR
Patent number: 28221

Company: Motorola
Project: TETRA
Title: Selective System Scan for Multizone Radiotelephone Subscriber Units
Country: EPC
Patent number: EP 0 352 786
Countries applicable: AT, BE, FR, DE (P68912672.7), GB, GR, IE, IT, LU, NL, ES, SE, CH

Company: Motorola
Project: TETRA
Title: Trunked Communication System with Nationwide Roaming Capability
Country: EPC
Application number: 89901513.5
Countries applicable: AT, BE, FR, DE, GB, IT, LU, NL, SE, CH

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: AU
Application number: AU 58176/94
Patent number: AU 671348

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: CN
Application number: CN 94190016.9
Patent number: CN 1101490

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: EPC
Application number: EP 94903913.5
Patent number: EP 630548
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: FI
Application number: FI 930096
Patent number: FI 92274

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: JP
Application number: JP 6-515724
Patent number: JP 7504793

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: NO
Application number: NO 943346
Patent number: NO 9403346

Company: Nokia
Project: TETRA
Title: Call Control In A Digital TDMA Radio System
Country: US
Application number: US 08/302787
Patent number: US 5485635

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: AU
Application number: AU 54673/94
Patent number: AU 674362

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: EPC
Application number: EP 94900171.3
Patent number: EP 670097
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: FI
Application number: FI 925236
Patent number: FI 96156

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: JP
Application number: JP 6-511767
Patent number: JP 8503112

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: PCT
Application number: PCT/FI93/00486
Patent number: WO 9411997

Company: Nokia
Project: TETRA
Title: Method For Establishing Connection Between Communication Devices
Country: US
Application number: US 08/436, 185
Patent number: US 5633913

Company: Nokia
Project: TETRA
Title: Method For Realising A Group Call In A Digital Radio Network
Country: AU
Application number: AU 25722/92
Patent number: AU 665573

Company: Nokia
Project: TETRA
Title: Method For Realising A Group Call In A Digital Radio Network
Country: EPC
Application number: EP 92919957.8
Patent number: EP 606282
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company: Nokia
Project: TETRA
Title: Method For Realising A Group Call In A Digital Radio Network
Country: FI
Application number: FI 914656
Patent number: FI 88986

Company: Nokia
Project: TETRA
Title: Method For Realising A Group Call In A Digital Radio Network
Country: PCT
Application number: PCT/FI92/00248
Patent number: WO 9307723

Company: Nokia
Project: TETRA
Title: Method For Realising A Group Call In A Digital Radio Network
Country: US
Application number: US 08/211459
Patent number: US 5594948

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: AU
Application number: AU 74615/94
Patent number: AU 674781

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: CN
Application number: CN 94190593.4
Patent number: CN 1113406

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: EPC
Application number: EP 94924311.7
Patent number: EP 664069
Countries applicable: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: FI
Application number: FI 933576
Patent number: FI 95428

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: JP
Application number: JP 7-506774
Patent number: JP 8502639

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: PCT
Application number: PCT/FI94/00348
Patent number: WO 9505721

Company: Nokia
Project: TETRA
Title: Method, Mobile Exchange And Subscriber Station In A Mobile Radio System For Establishing A High-Priority Call
Country: US
Application number: US 08/416, 731
Patent number: US 5634197

Company: Nokia
Project: TETRA
Title: Radio System
Country: AU
Application number: AU 55639/94
Patent number: AU 683033

Company: Nokia
Project: TETRA
Title: Radio System
Country: EPC
Application number: EP 94900833.8
Patent number: EP 671097
Countries applicable: AT, BE, CH, LI, DE, FR, GB, IT, NL, SE

Company: Nokia
Project: TETRA
Title: Radio System
Country: FI
Application number: FI 925431
Patent number: FI 96656

Company: Nokia
Project: TETRA
Title: Radio System
Country: JP
Application number: JP 6-512808
Patent number: JP 8503587

Company: Nokia
Project: TETRA
Title: Radio System
Country: PCT
Application number: PCT/FI93/00501
Patent number: WO 9413089

Company: THOMSON-CSF
Project: TETRA
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: CA
Application number: 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

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Company: THOMSON-CSF
Project: TETRA
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: EPC
Application number: 909159568
Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant sublicences

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Company: THOMSON-CSF
Project: TETRA
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: PCT
Application number: PCT/CA90/00381
Notes: This patent is owned by the University of Sherbrooke who has given a licence to Thomson to grant sublicences

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Company: THOMSON-CSF
Project: TETRA
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: US
Application number: 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: THOMSON-CSF
Project: TETRA
Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio
Country: EPC
Patent number: 87/4028541

Company: THOMSON-CSF
Project: TETRA
Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio
Country: FR
Application number: 86/17877
Countries applicable: FR

TFTS

Company: BT
Project: TFTS
Title: Skyphone Fax Coder
Country: IPC
Patent number: GB 92/02102

Company: BT
Project: TFTS
Title: Skyphone Fax Coder
Country: PCT
Application number: PCT/GB 92/10623
Countries applicable: TA, DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

Company: BT
Project: TFTS
Country: PCT
Application number: PCT/GB 92/02102
Patent number: Published WO93/10623
Countries applicable: A, DE, DK, ES, FR, GB, GR, IE, IT, NL, SE

UMTS

Company: AirTouch Communications
Project: UMTS
Title: CDMA Transmission Delay Method and Apparatus
Country: US
Patent number: 5,479,397
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Cellular Telephone System
Country: US
Patent number: 4,932,049
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Frequency Signal Generator Apparatus and Method for Simulating Interference in Mobile Communications Systems
Country: US
Patent number: 5,220,680
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: In-Building Telephone Communication System
Country: US
Patent number: 5,349,631
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Method and Apparatus for Fraud Control in Cellular Telephone Systems
Country: US
Patent number: 5,555,551
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Method and Apparatus for Fraud Control in Cellular Telephone Systems Utilizing RF Signature Comparison
Country: US
Patent number: 5,420,910
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Microcell System for Cellular Telephone Systems
Country: US
Patent number: 5,506,147
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Microcell System in Digital Cellular
Country: US
Patent number: 5,243,598
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Microcells for Digital Cellular Telephone Systems
Country: US
Patent number: 5,504,936
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Network Management System
Country: US
Patent number: 5,285,494
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Piggy-Back Number and Routing Isolation for Cellular Telephone Switches
Country: US
Patent number: 5,216,703
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Satellite Mobile Communication System for Rural Service Areas
Country: US
Patent number: 5,081,703
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Spectral Sharing Communication System with Minimal Inter-Signal Interference
Country: US
Patent number: 5,507,020
Countries applicable: US

Company: AirTouch Communications
Project: UMTS
Title: Zoned Microcell with Sector Scanning for Cellular Telephone System
Country: US
Patent number: 5,193,109
Countries applicable: US

Company: Alcatel Alsthom
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: Alcatel Alsthom
Project: UMTS
Title: W-CDMA, TD-CDMA
Country: n/a
Notes: Alcatel Alsthom, Companie Générale d'Electricité has declared that their Affiliates and themselves are prepared to grant irrevocable licenses under the IPRs they own on terms and conditions which are in accordance with clause 6,1 of the ETSI IPR Policy, to the extent that the IPRs are essential for any ETSI standard relating to the TD-CDMA proposal and the W-CDMA proposal.

Company: Canon
Project: UMTS
Title: UTRA
Country: n/a
Notes: Canon (Canon Research France - CRF) has declared that, in the event the proposed standard is adopted, it is ready to grant licenses under the Essential IPR(s) of the "standard", owned by CRF, on fair, reasonable and non-discriminatory terms and conditions, and provided that a similar grant under licensee's Essential IPR(s) is made available upon request of CRF.

Company: CCETT
Project: UMTS
Country: n/a
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: Ericsson
Project: UMTS
Title: Adaptively Self-Correcting Modulation System and Method
Country: SE
Application number: 068,087
Patent number: US-5351016
Countries applicable: GB, AU, IT, MX, NZ, US

Company: Ericsson
Project: UMTS
Title: Automatic Retransmission Request
Country: SE
Application number: 332,114
Patent number: US-5633874
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Bandwidth Allocation
Country: SE
Application number: 544,490
Patent number: US-5729531
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Best Server Selection in Layered Cellular Radio System
Country: SE
Application number: 090,734
Patent number: US-5499386
Countries applicable: CO, US, TW, PH, ZA

Company: Ericsson
Project: UMTS
Title: Calling Channel in CDMA Communications System
Country: SE
Application number: 226,470
Patent number: US-5377183
Countries applicable: AU, MX, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: CDMA Frequency Allocation
Country: SE
Application number: 868,038
Patent number: US-5295153
Countries applicable: AU, MX, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: CDMA Frequency Allocation
Country: SE
Application number: 162,948
Patent number: US-5341397
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: CDMA Subtractive Demodulation
Country: SE
Application number: 628,359
Patent number: US-5151919
Countries applicable: AU, BE, DE, DK, ES, FR, GB, AT, IT, LU, MX, MY, NL, RU, SE, TW, US, GR

Company: Ericsson
Project: UMTS
Title: CDMA Subtractive Demodulation
Country: SE
Application number: 739, 446
Patent number: US-5218619
Countries applicable: AU, BE, CH, DE, DK, ES, FR, AT, GR, IT, LU, MX, MY, NL, SE, TW, US, GB

Company: Ericsson
Project: UMTS
Title: Cellular Digital Mobile Radio System and Method of Transmitting information in a Digital Cellular Mobile Radio System
Country: SE
Application number: 579,283
Patent number: US-5088108
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Decoding System for Distinguishing Different Types of Convutionally Encoded Signals
Country: SE
Application number: 652,544
Patent number: US-5230003
Countries applicable: US, SG, GB

Company: Ericsson
Project: UMTS
Title: Direct Sequence CDMA Coherent Uplink Detector
Country: SE
Application number: 235,527
Patent number: US-5544156
Countries applicable: US, NZ, SG

Company: Ericsson
Project: UMTS
Title: Discontinuous CDMA Reception
Country: SE
Application number: 866, 555
Patent number: US-5239557
Countries applicable: MX, AU, NZ, US, TW

Company: Ericsson
Project: UMTS
Title: Diversity Radio Receiver Automatic Frequency Control
Country: SE
Application number: 774,215
Patent number: US-5321850
Countries applicable: US, TW, MX, GB

Company: Ericsson
Project: UMTS
Title: Duplex Power Control System in a Communications Network
Country: SE
Application number: 866,554
Patent number: US-5345598
Countries applicable: AU, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: Dynamic Control of Transmitting Power at a Transmitter and Attenuation at a Receiver
Country: SE
Application number: 061,043
Patent number: US-5669066
Countries applicable: AU, US, PK, TR, TW, MX, ZA

Company: Ericsson
Project: UMTS
Title: Fast Walsh Transform Processor
Country: SE
Application number: 735,805
Patent number: US-5357454
Countries applicable: US, TW, SG, GB, FR

Company: Ericsson
Project: UMTS
Title: Handover Method for Mobile Radio System
Country: SE
Application number: 365,432
Patent number: US-5109528
Countries applicable: US, SG, SE, NO, NL, IT, HK, GB, FR, ES, DE

Company: Ericsson
Project: UMTS
Title: Handover Method for Mobile Radio System
Country: SE
Application number: 071,356
Patent number: US-5327577
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Load Sharing control for a Mobile cellular radio system
Country: SE
Application number: 669,865
Patent number: US-5241685
Countries applicable: US,SE,IT,GB,FR,ES,DE

Company: Ericsson
Project: UMTS
Title: Low Capacity Mobile Assisted Handoff in a Cellular Communications Network
Country: SE
Application number: 103,135
Patent number: US-5517674
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Method and Apparatus for Concatenated Coding of Mobile Radio Signals
Country: SE
Application number: 678,314
Patent number: US-5742619
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Method and Apparatus for Enhancing Signalling Reliability in a Cellular Mobile Radio Telephone System
Country: SE
Application number: 604,522
Patent number: US-5230082
Countries applicable: AU, US, MX, NZ, TW

Company: Ericsson
Project: UMTS
Title: Method and Apparatus for Mobile Radio Communications having Switched Dual Frequency Synthesizers
Country: SE
Application number: 159,956
Patent number: US-5448762
Countries applicable: GB, US

Company: Ericsson
Project: UMTS
Title: Method and Apparatus for Spread Spectrum Channel Estimation
Country: SE
Application number: 504,339
Patent number: US-5677930
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Method and System for Channel Allocation using Power Control and Mobile Assisted Handover Measurements
Country: SE
Application number: 207,032
Patent number: US-5491837
Countries applicable: US, SG

Company: Ericsson
Project: UMTS
Title: Method and System for Demodulation of Downlink CDMA Signals
Country: SE
Application number: 187,062
Patent number: US-5572552
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Method for Regulating Power in a Digital Mobile Telephony System
Country: SE
Application number: 712,930
Patent number: US-5241690
Countries applicable: HK, AU, BE, BR, CH, CN, DE, DK, ES, FR, AT, GR, US, IT, KR, LU, MX, MY, NL, NZ, SE, SG, TW, GB

Company: Ericsson
Project: UMTS
Title: Method of Effecting Handover in a Mobile Multilayer cellular Radio System
Country: SE
Application number: 901,075
Patent number: US-5392453
Countries applicable: US, TW, SE, NL, MY, IT, GB, FR, DE, AU

Company: Ericsson
Project: UMTS
Title: Method of Transmitting Signalling Messages in a Mobile Radio Communication System
Country: SE
Application number: 899,166
Patent number: US-5182753
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Methods in a Cellular Mobile Radio Communications System
Country: SE
Application number: 035,797
Patent number: US-5487174
Countries applicable: AU, MX, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: Mobile Assisted Handoff
Country: SE
Application number: 354,779
Patent number: US-5701585
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Mobile Assisted Handover Using CDMA
Country: SE
Application number: PCT/US93/03412
Patent number: WO 93/21739
Countries applicable: AU, NZ, TW

Company: Ericsson
Project: UMTS
Title: Multiple Access Coding for Radio Communications
Country: SE
Application number: 866,865
Patent number: US-5353352
Countries applicable: AU, MX, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: Multiple Access Coding Using Bent Sequences for Mobile Radio Communications
Country: SE
Application number: 291,693
Patent number: US-5550809
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Navigation Assistance For Call Handling in Mobile Telephone Systems
Country: SE
Application number: 118,179
Patent number: US-5404376
Countries applicable: AU, MX, NZ, US, TW

Company: Ericsson
Project: UMTS
Title: Navigation Assistance for Call Handling in Mobile Telephone Systems
Country: SE
Application number: 384,334
Patent number: US-5670964
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: Prioritization between Handoff and New call Requests in a Cellular Communications System
Country: SE
Application number: 804,604
Patent number: US-5301356
Countries applicable: AU, DE, DK, ES, FR, AT, HK, IT, MX, NL, SE, TW, US, GB

Company: Ericsson
Project: UMTS
Title: Random Access in Mobile Radio Telephone Systems
Country: SE
Application number: 222,008
Patent number: US-5430760
Countries applicable: AU, MX, NZ, US, TW

Company: Ericsson
Project: UMTS
Title: System and Method for Joint Demodulation of CDMA Signals
Country: SE
Application number: 155,557
Patent number: US-5506861
Countries applicable: US, TW, GB, AU

Company: Ericsson
Project: UMTS
Title: System and Method for Setting of Output Power Parameters in a Cellular Mobile Telecommunications System
Country: SE
Application number: 411,426
Patent number: US-5634195
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: TDMA for Mobile Access in a CDMA System
Country: SE
Application number: 866,579
Patent number: US-5295152
Countries applicable: AU, MX, NZ, TW, US

Company: Ericsson
Project: UMTS
Title: TDMA/FDMA/CDMA Hybrid Radio Access Methods
Country: SE
Application number: 179,954
Patent number: US-5539730
Countries applicable: US, DE, IE, GB, FR, ZA, DK, ES, CH, BE, AT, GR, SE, IT, PT, NL, LU

Company: Ericsson
Project: UMTS
Title: Time-Reuse and Code-Reuse partitioning and Methods for Cellular Radiotelephone Systems
Country: SE
Application number: PCT/US97/02857
Patent number: WO 97/32441
Countries applicable: TW

Company: Ericsson
Project: UMTS
Title: Transceiver Algorithms of Antenna Arrays
Country: SE
Application number: 195,224
Patent number: US-5566209
Countries applicable: US

Company: Ericsson
Project: UMTS
Title: W-CDMA, TD-CDMA
Country: n/a
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: France Télécom
Project: UMTS
Country: n/a
Countries applicable: n/a
Notes: France Télécom has declared that it is prepared to grant irrevocable licenses under its IPRs that may be considered Essential (the IPRs) to the Standards UMTS (the Standards), granted or pending, relatively to the different technologies of the Standards as UTRA, access network, core network, SIM, etc., on terms and conditions which are in accordance with Clause 6.1 of the ETSI Interim Policy, in respect of the Standards, to the extent that the IPRs remain Essential. The above undertaking may be made subject to the condition that whose seek licenses agree to reciprocate in licenses incorporating have made rights.

Company: Fujitsu Limited
Project: UMTS
Title: W-CDMA
Country: n/a
Notes: Fujitsu Limited has declared that it has patent(s) and/or pending patent application(s) relating to WCDMA proposal. Fujitsu Limited is fully prepared to grant licenses to these patents on a fair, reasonable and non-discriminatory basis, in accordance with the terms and conditions set forth in Clause 6.1 of the ETSI IPR Policy.

Company: Golden Bridge Technology (GBT)
Project: UMTS
Title: UTRA RTT Proposal
Country: n/a
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: Italtel Spa
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: Lucent Technologies
Project: UMTS
Country: n/a
Notes: Lucent Technologies Inc. has informed ETSI that it is likely to have IPRs essential to UMTS and that it is prepared to make a license relating to the ETSI UMTS Terrestrial Radio Access Interface standard available to any qualified applicant, upon reasonable, non-discriminatory terms and conditions. Representative: Mr. P. J. Crefeld (tel: +1 908 903 6262 / fax: +1 908 903 6319) for licensing matters.

Company: Mitsubishi Electric
Project: UMTS
Country: JP
Application number: JP10-080031
Countries applicable: JP
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: Mitsubishi Electric
Project: UMTS
Title: Method and Apparatus for Variable Rate Transmitter
Country: JP
Application number: JP9-164202
Countries applicable: JP
Standard(s): tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97
Notes: Mitsubishi Electric declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) under the essential IPRs on fair, reasonable and non-discriminatory basis in accordance with Clause 6.1 of the ETSI IPR Policy.

Company: Mitsubishi Electric
Project: UMTS
Title: Method and Apparatus for Variable Rate Transmitter
Country: PCT
Application number: PCT/JP97/03225
Countries applicable: PCT
Standard(s): tdoc SMG2 UMTS A2/9, A3/97, A26/97, A69/97, A45/97, A46/97
Notes: Mitsubishi Electric declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) under the essential IPRs on fair, reasonable and non-discriminatory basis in accordance with Clause 6.1 of the ETSI IPR Policy.

Company: Mitsubishi Electric
Project: UMTS
Title: Mobile radio communication system, communication apparatus for mobile communication system, and method for mobile radio communication system
Country: JP
Application number: JP10-114003
Countries applicable: JP
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: Motorola
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: Motorola
Project: UMTS
Title: W-CDMA
Country: n/a
Notes: Motorola have stated that they have not yet finally determined whether or not their IPRs are in fact essential to the W-CDMA proposal and does not know what will be the final contents of the proposal in the event of adoption. Motorola will, however, agree to grant licenses under its IPR essential to a W-CDMA standard, if and when adopted by ETSI, on fair, reasonable, and non-discriminatory terms in accordance with Clause 6.1 of the ETSI IPR Policy, provided that those who seek licenses agree to reciprocate.

Company: NEC Corporation
Project: UMTS
Title: W-CDMA
Country: n/a
Notes: NEC Corporation has declared that it owns IPRs related to the W-CDMA technology. In the event the W-CDMA technology is elected by ETSI as a standard for UMTS radio access methods, NEC is prepared to grant licenses/cross licenses (subject to reciprocity) to the patents it has, on a fair, reasonable and non-discriminatory basis, in accordance with the terms and conditions set forth in Clause 6.1 of the ETSI IPR Policy, to that extent that the IPRs remain essential to the Standard.

Company: Nokia
Project: UMTS
Title: W-CDMA
Country: n/a
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: NORTEL Northern Telecom Ltd.
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: NORTEL Northern Telecom Ltd.
Project: UMTS
Title: W-CDMA
Country: n/a
Notes: Nortel has declared that it is the owner of IPRs which might be considered essential to the W-CDMA systems standards. Nortel is prepared to grant irrevocable licenses under the IPRs, on terms and conditions which are in accordance with clause 6.1 of the ETSI IPR Policy.

Company: NTT
Project: UMTS
Title: W-CDMA
Country: n/a
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: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: CDMA receiver with weighted interference cancellation (UTRA)
Country: Pending
Application number: 08-183593
Patent number: Pending
Countries applicable: JP

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: CDMA receiver with weighted interference cancellation (UTRA)
Country: Pending
Application number: 97-31736
Patent number: Pending
Countries applicable: Korea

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: CDMA receiver with weighted interference cancellation (UTRA)
Country: Pending
Application number: 883.959
Patent number: Pending
Countries applicable: US

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: CDMA receiver with weighted interference cancellation (UTRA)
Country: Pending
Application number: 2.210.214
Patent number: Pending
Countries applicable: CA

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Channel modulation for code-division multiple-access systems (UTRA)
Country: Pending
Application number: 06-127933
Patent number: Pending
Countries applicable: JP

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)
Country: US
Application number: 07-000349
Patent number: 5.579.304
Countries applicable: JP
Notes: Pending for Japan, Korea and EPCDI.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)
Country: US
Application number: 95-2360
Patent number: 5.579.304
Countries applicable: Korea
Notes: Pending for Japan, Korea and EPCDI.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)
Country: US
Application number: 397.676
Patent number: 5.579.304
Countries applicable: US
Notes: Pending for Japan, Korea and EPCDI.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Code division multiple access receiver with sequential interference-cancelling (UTRA)
Country: US
Application number: 95103484,2
Patent number: 5.579.304
Countries applicable: EPCDI
Notes: Pending for Japan, Korea and EPCDI.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)
Country: US
Application number: 08-110634
Patent number: 5.689.815
Countries applicable: JP
Notes: Pending for Japan, Korea, Canada and Great Britain.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)
Country: US
Application number: 96-14312
Patent number: 5.689.815
Countries applicable: Korea
Notes: Pending for Japan, Korea, Canada and Great Britain.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)
Country: US
Application number: 434.650
Patent number: 5.689.815
Countries applicable: US
Notes: Pending for Japan, Korea, Canada and Great Britain.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)
Country: US
Application number: 2.175.749
Patent number: 5.689.815
Countries applicable: CA
Notes: Pending for Japan, Korea, Canada and Great Britain.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Saturation prevention system for radio telephone with open and close loop power control systems (UTRA)
Country: US
Application number: 9609267,1
Patent number: 5.689.815
Countries applicable: GB
Notes: Pending for Japan, Korea, Canada and Great Britain.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spread code generation device for spread spectrum communication (UTRA)
Country: US
Application number: 06-091912
Patent number: 5.631.922
Countries applicable: JP
Notes: Pending for Japan.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spread code generation device for spread spectrum communication (UTRA)
Country: US
Application number: 426.254
Patent number: 5.631.922
Countries applicable: US
Notes: Pending for Japan.

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spreading code generator and CDMA communication system (UTRA)
Country: Pending
Application number: 07-192062
Patent number: Pending
Countries applicable: JP

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spreading code generator and CDMA communication system (UTRA)
Country: Pending
Application number: 96-30635
Patent number: Pending
Countries applicable: Korea

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spreading code generator and CDMA communication system (UTRA)
Country: Pending
Application number: 679.925
Patent number: Pending
Countries applicable: US

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spreading code generator and CDMA communication system (UTRA)
Country: Pending
Application number: 2.181.637
Patent number: Pending
Countries applicable: CA

Company: OKI Electric Industry Co., Ltd.
Project: UMTS
Title: Spreading code generator and CDMA communication system (UTRA)
Country: Pending
Application number: 96111548,2
Patent number: Pending
Countries applicable: EPC

Company: Omnipoint
Project: UMTS
Title: W-CDMA, TD/CDMA
Country: n/a
Notes: Omnipoint Corporation has declared that it holds IPRs which are Essential to the UMTS/UTRA proposals, including, without limitation, W-CDMA and TD/CDMA. Omnipoint is prepared to grant licenses/cross-licenses to Essential IPRs on a fair, reasonable and non-discriminatory basis in accordance with Clause 6.1 of ETSI IPR Policy.

Company: Panasonic
Project: UMTS
Title: W-CDMA
Country: n/a
Notes: Panasonic Matsushita Communication Industrial UK Ltd. declared that they are prepared to grant licenses/cross licenses (subject to reciprocity) under the essential IPRs on fair, reasonable and non-discriminatory basis in accordance with Clause 6.1 of the ETSI IPR Policy.

Company: Philips
Project: UMTS
Country: n/a
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: Qualcomm Inc.
Project: UMTS
Title: n/a
Country: n/a
Countries applicable: n/a
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: Robert Bosch GmbH
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: Robert Bosch GmbH
Project: UMTS
Title: TD-CDMA, W-CDMA
Country: n/a
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: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: AP/P/96/00779
Patent number: ZA 94/10066
Countries applicable: ARIPO

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 2411/DEL/95
Patent number: ZA 94/10066
Countries applicable: IN

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: PI9503918
Patent number: ZA 94/10066
Countries applicable: MY

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 95/090
Patent number: ZA 94/10066
Countries applicable: NA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: PCT/GB95/02972
Patent number: ZA 94/10066
Countries applicable: PCT

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 95941197.6
Patent number: ZA 94/10066
Countries applicable: Europe

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 8-519339
Patent number: ZA 94/10066
Countries applicable: JP

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 08/849.875
Patent number: ZA 94/10066
Countries applicable: US

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 42682/96
Patent number: ZA 94/10066
Countries applicable: AU

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: PI9510251-5
Patent number: ZA 94/10066
Countries applicable: BR

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 95197655.9
Patent number: ZA 94/10066
Countries applicable: CN

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 97-704132
Patent number: ZA 94/10066
Countries applicable: Korea

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 297514
Patent number: ZA 94/10066
Countries applicable: NZ

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: P972825
Patent number: ZA 94/10066
Countries applicable: NO

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 97112107
Patent number: ZA 94/10066
Countries applicable: RU

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 95/10789
Patent number: ZA 94/10066
Countries applicable: ZA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: 2.208.041
Patent number: ZA 94/10066
Countries applicable: CA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: P952732
Patent number: ZA 94/10066
Countries applicable: ID

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Application number: n/a
Patent number: ZA 94/10066
Countries applicable: UA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Enhanced Cellular Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Patent number: ZA 97/1819
Countries applicable: ZA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Method of Operating a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Patent number: ZA 97/5022
Countries applicable: ZA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Method of Operating a Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Patent number: ZA 97/1017
Countries applicable: ZA

Company: Salbu Research & Development (pty) Ltd.
Project: UMTS
Title: Power Adaption in a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: ZA
Patent number: ZA 97/6885
Countries applicable: ZA

Company: Samsung Electronics Corporation (SEC)
Project: UMTS
Country: n/a
Notes: With regard to the W-CDMA technology being elaborated by ETSI as a standard for the UMTS Terrestrial Radio Access (UTRA) FDD mode, SEC is prepared to grant licenses to its essential IPRs on a fair, reasonable, and non-discriminatory basis in accordance with the terms and conditions set forth in Clause 6.1 of the ETSI IPR Policy.

Company: Siemens AG
Project: UMTS
Title: Method and arrangement for joint channel estimation in a digital multiple access communication system
Country: DE
Patent number: 4 212 300
Countries applicable: DE

Company: Siemens AG
Project: UMTS
Title: Method and arrangement for transmitting information in a digital radio system
Country: US
Patent number: 5 648 967
Countries applicable: US

Company: Siemens AG
Project: UMTS
Title: TD-CDMA
Country: n/a
Notes: Alcatel, Robert Bosch GmbH, Italtel Spa, Motorola Inc, Northern Telecom Ltd and Siemens AG have collectively stated that they are prepared to grant under their respective essential IPRs licenses/crosslincenses (subject to reciprocity) on fair, reasonable and non-discriminatory basis (in accordance with ETSI's IPR Policy, Clause 6.1)

Company: Siemens AG
Project: UMTS
Title: TD-CDMA, W-CDMA
Country: n/a
Notes: Siemens declared that it is completely committed to the ETSI IPR policy (Clause 6.1, "...on fair, reasonable and non discriminatory terms and conditions...") for any ETSI standard relating to the TD-CDMA proposal and the W-CDMA proposal.

Company: Telia AB
Project: UMTS
Country: n/a
Patent number: 507 640
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: Telia AB
Project: UMTS
Country: n/a
Patent number: 0561735
Countries applicable: BE, CH, LI, DE, FR, NL
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Patent number: 2265259
Countries applicable: GB
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 84193
Countries applicable: JP
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: Telia AB
Project: UMTS
Country: n/a
Application number: 9401948-6
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Patent number: 505 006
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: Telia AB
Project: UMTS
Country: n/a
Application number: 95930765.3
Countries applicable: EPC
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: Telia AB
Project: UMTS
Country: n/a
Application number: 9501066-6
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Patent number: 504 511
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 19984179
Countries applicable: NO
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 97904710.7
Countries applicable: EPC
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: Telia AB
Project: UMTS
Country: n/a
Patent number: 505 039
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: Telia AB
Project: UMTS
Country: n/a
Application number: PCT/SE97/00203
Countries applicable: EPC, NO
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 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: Telia AB
Project: UMTS
Country: n/a
Application number: 9602401-3
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 9702390-7
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: Telia AB
Project: UMTS
Country: n/a
Application number: PCT/SE98/01157
Countries applicable: EP, EE, JP, LT, LV, NO, US
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 9704863-1
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: Telia AB
Project: UMTS
Country: n/a
Application number: PCT/SE98/02357
Countries applicable: EP, EE, JP, LT, LV, NO, US
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 9801027-5
Countries applicable: SE
Notes: This statement is made 10 February 1999 by Telia AB, a Member of ETSI. In accordance with the ETSI Interim IPR Policy, Article 4.1. Telia AB hereby inform ETSI that with reference to ETSI Standards it is the belief of Telia AB that the following IPRs are, or are likely to become, Essential IPRs in relation to ETSI Standards.

Company: Telia AB
Project: UMTS
Country: n/a
Application number: 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: Telia AB
Project: UMTS
Country: n/a
Application number: 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:	Texas Instruments
Project:	UMTS
Country:	n/a
Notes:	Texas Instruments France has informed ETSI that, in relation to UMTS, TI (and/or affiliates) has many patents and that it would be burdensome to identify whether or not any particular patent applies to a particular proposal. TI (and/or affiliates) has a practice of filing patent applications on innovative developments in its various business areas, but cannot tell in advance the scope of the patents, if any, that may issue on such applications.

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).

History

Document history		
Edition 1	July 1996	Publication as ETR 314
Edition 2	July 1997	Publication as ETR 314
V1.3.1	June 1998	Publication
V1.4.1	November 1999	Publication