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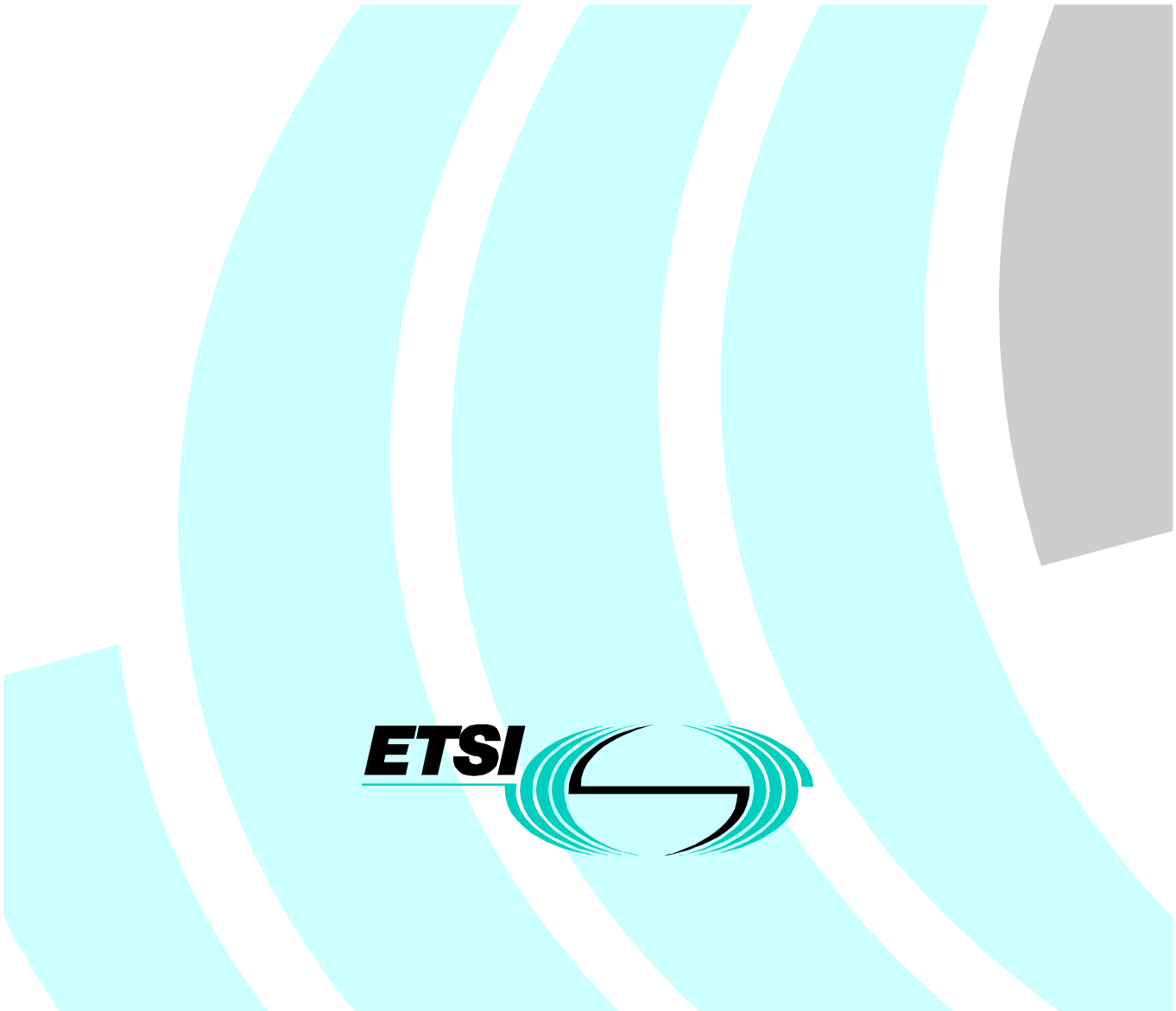
Special Report

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



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Keywords
IPR

ETSI

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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 Interim 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 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 Interim 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 Interim 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 Interim 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 Interim IPR Policy.

DAB

Company: France Télécom
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
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
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: Netherlands
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
Title: Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de réception correspondant
Country: France
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
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
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
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
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
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: France
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.
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.
Title: Method for the Adaptive Assignment of the Transmission Capacity of a Transmission Channel
Country: Germany
Application number: DE 44 25 973
Countries applicable: DE

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

Company: Grundig E.M.V.
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.
Title: Process, Sender and Receiver for Transmitting and Selecting Local Radio Programs in a Common-wave Broadcasting Network
Country: Germany
Application number: DE 44 24 778
Countries applicable: DE

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

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

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

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

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

Company: IRT
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
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: Netherlands
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
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
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
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
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: Netherlands
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
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
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
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
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: Netherlands
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
Title: Dispositif de transmission de données numériques à au moins deux niveaux de protection, et dispositif de réception correspondant
Country: France
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
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
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
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
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
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: France
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
Title: Verfahren und Anordnung zur Messung der Trägerfrequenzablage in einem Mehrkanalübertragungssystem
Country: Germany
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
Title: Verfahren zur digitalen Datenübertragung im Nullsymbol des COFDM-Modulationsverfahrens
Country: Germany
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
Country: Australia
Application number: 638 160

Company: Matra
Country: EPC
Application number: 0472 460 B1

Company: Matra
Country: Finland
Application number: 91 03 903

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

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

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

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

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

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

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

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

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

Company: Philips
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
Title: Burst Alignment Procedure
Country: Argentina
Application number: 95010299
Countries applicable: Argentina
Standard(s): ETR 310

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

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

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

Company: Alcatel Alsthom
Title: Burst Alignment Procedure
Country: EPC
Application number: 95940248.8
Patent number: 795238
Countries applicable: France, Germany, Italy, Sweden, United Kingdom
Standard(s): ETR 310

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

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

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

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

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

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

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

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

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

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

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

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

Company: Alcatel Alsthom
Title: DECT Frame Synchronization
Country: EPC
Application number: 96109652.6
Patent number: 751634
Countries applicable: Austria, Belgium, France, Germany, Italy, Liechtenstein, Netherlands, Spain, Sweden, Switzerland, United Kingdom
Standard(s): ETR 310

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

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

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

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

Company: Alcatel Alsthom
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: Australia
Application number: 56167
Countries applicable: Australia
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
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: Canada
Application number: 2112511
Countries applicable: Canada
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
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: Austria, Belgium, Danemark, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom
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
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: Finland
Application number: 935885
Countries applicable: Finland
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
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: France
Application number: 92-15934
Patent number: 2700086
Standard(s): ETS 300 175-3

Company: Alcatel Alsthom
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: Japan
Application number: 331170/93
Countries applicable: Japan
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
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: Norway
Application number: 934859
Countries applicable: Norway
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
Title: Method for transmitting information at high speed by multiple burst allocation and associate receiving method and device.
Country: USA
Application number: 175555
Countries applicable: USA
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
Title: Ukrainian SSR
Country: Ukrainian SSR
Application number: 9504662
Countries applicable: Ukrainian SSR
Standard(s): ETR 310

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

Company: Alcatel Alsthom
Title: Wireless Tie Line
Country: EPC
Application number: 92121870.7
Patent number: 553485
Countries applicable: Austria, Belgium, Germany, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom
Standard(s): ETS 300 822

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

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

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

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

Company: Nokia
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
Title: A Mobile Radio System
Country: EPC
Application number: 94902147.1

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

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

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

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

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

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

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

DECT/GSM

Company: Telia AB
Title: Arrangement for Handover in a Mobile Telecommunication Network
Country: Sweden
Application number: 9500408-1
Countries applicable: SE

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

ERMES

Company: Guy Le Nouveau
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
Title: Decoder for Transmitted Message Activation Codes
Country: EPC
Patent number: EP 0 090 851

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

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

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

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

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

GPRS

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

Company: De Te Mobil GmbH
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 Alsthom
Title: A method of transmitting timing advance data to a mobile moving in cells of an asynchronous-BTS GSM network
Country: China
Application number: CN 93-119206
Countries applicable: CN
Standard(s): GSM 04.08 and 05.10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: AT&T
Title: Arrangement for Detecting Fraudulently Identified Mobile Stations in a Cellular Mobile Telecommunications Switching System
Country: USA
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
Title: Arrangement for Obtaining Authentication Key Parameters in a Cellular Mobile Telecommunications Switching Network
Country: USA
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
Title: Digital Speech Coder
Country: Canada
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
Title: Digital Speech Coder
Country: Sweden
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
Title: Digital Speech Coder
Country: United States
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
Title: Digital Speech Encoder
Country: France
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
Title: Digital Speech Encoder
Country: Germany
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
Title: Digital Speech Encoder
Country: Japan
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
Title: Digital Speech Encoder
Country: Sweden
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
Title: Digital Speech Encoder
Country: United Kingdom
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
Title: Maintaining Stable Virtual Circuit Data Connections with Spare Protocol Handler
Country: USA
Patent number: 5 278 179
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
Title: Multipulse LPC Speech Processing Arrangemen
Country: Canada
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
Title: Multipulse LPC Speech Processing Arrangement
Country: Belgium
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
Title: Multipulse LPC Speech Processing Arrangement
Country: France
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
Title: Multipulse LPC Speech Processing Arrangement
Country: Germany
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
Title: Multipulse LPC Speech Processing Arrangement
Country: Netherlands
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
Title: Multipulse LPC Speech Processing Arrangement
Country: Sweden
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
Title: Multipulse LPC Speech Processing Arrangement
Country: United Kingdom
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: AT&T
Title: Multipulse LPC Speech Processing Arrangement
Country: USA
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
Title: Paging Arrangements in a Cellular Mobile Switching System
Country: USA
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
Title: Signalling Arrangements in a Cellular Mobile Telecomms Switching System
Country: USA
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
Country: EPO
Application number: EPO 96924979.6
Standard(s): GSM 02.53

Company: BT
Country: USA
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 Mr Richard Buttrick, BT Group Legal Services, Intellectual Property Unit, 151 Gower Street, London WC1E 8BA (Tel: +44 171 728 7230; Fax: +44 171 728 7849).

Company: BT
Title: CCBS
Country: n/a
Application number: WO 953 347
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Title: CCBS
Country: n/a
Patent number: 285 840
Countries applicable: New Zealand, PCT
Standard(s): GSM 03.93 and GSM 04.93

Company: BT
Title: Method of broadcast over a cellular system
Country: EPO
Application number: EPO 94915668.1
Standard(s): GSM 02.67, 02.68, 02.69, 03.67, 03.68, 03.69

Company: BT
Title: Voice Activity Detector
Country: Canada
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
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
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
Title: Voice Activity Detector
Country: Hong Kong
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
Title: Voice Activity Detector
Country: Ireland
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
Title: Voice Activity Detector
Country: New Zealand
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
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
Title: Voice Activity Detector
Country: Portugal
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
Title: Voice Activity Detector
Country: Singapore
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
Title: Voice Activity Detector for Half Rate GSM Coder
Country: India
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 Mr Martin Read, BT Group Legal Services, Intellectual Property Unit, 8th floor Holborn centre, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company: BT
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 Mr Martin Read, BT Group Legal Services, Intellectual Property Unit, 8th floor Holborn centre, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

Company: BT
Title: Voice Activity Detector for Half Rate GSM Coder
Country: USA
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 Mr Martin Read, BT Group Legal Services, Intellectual Property Unit, 8th floor Holborn centre, London EC1N 2TE (Tel: +44 171 492 8152; Fax: +44 171 242 0616).

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

Company: CP8 Transac
Title: A Device for Transmitting Signals between two Data Processing Stations
Country: France
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
Title: A Method and System for Transmission of Confidential Data
Country: France
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
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: France
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
Title: A Process and System for Transmission of Signed Messages
Country: France
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
Title: Data processing System for Protecting the Secrecy of Confidential Information
Country: France
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
Title:	Data Processing System which Protects the Secrecy of Confidential Information
Country:	France
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
Title:	SIM Personal Telephone Sets
Country:	France
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
Title:	SIM Personal Telephone Sets
Country:	France
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
Title: SIM Personal Telephone Sets
Country: France
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
Title: Improvements in, or relating to, Equalisers
Country: United Kingdom
Patent number: GB 2 215 567
Countries applicable: GB
Notes: Ericsson OMC Ltd

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

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

Company: Ericsson
Title: Transmitter Power Control for Radio Telephone System.
Country: United Kingdom
Patent number: GB 2 233 517
Countries applicable: GB
Notes: Ericsson OMC Ltd

Company: INNOVATRON
Country: Germany
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
Country: Germany
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
Country: Germany
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
Country: Japan
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
Country: Sweden
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
Country: USA
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
Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices
Country: France
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
Title: Method and Apparatus for Coupling Smart Cards to Transfer Devices
Country: United Kingdom
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: Lupa Finances
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: Lupa Finances
Title: Automatic Telephone Number Dialler
Country: Switzerland
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: Matra
Title: Procédé de pseudo-synchronisation d'un réseau de communication à multiplexage dans le temps et applications
Country: Australia
Application number: 622 543
Countries applicable: AU
Standard(s): GSM 04.08 version 05.10

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

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

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

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

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

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

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

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

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

Company: Matra
Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de communication à multiplexage dan
Country: France
Application number: 90 10 485
Countries applicable: FR
Standard(s): GSM 04-08 version 4.9.0

Company: Matra
Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Communication avec les Mobiles
Country: Australia
Application number: 638 160
Countries applicable: AU
Standard(s): GSM 04.08 version 4.9.0

Company: Matra
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 version 4.9.0

Company: Matra
Title: Procédé et Installation de Radiotéléphonie Numérique notamment de Radiotéléphonie Cellulaire de Communication avec les Mobiles
Country: Finland
Application number: 91 03 903
Countries applicable: FI
Standard(s): GSM 04.08 version 4.9.0

Company: Matra
Title: Procédé et installation de radiotéléphonie numérique notamment de radiotéléphonie cellulaire de communication avec les mobiles
Country: France
Application number: 90 10 485
Standard(s): GSM 04-08 version 4.9.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: Motorola
Title: Method of Operating a Radio Trans. or Comm. System including Central Sta. and a plurality of Indi. Remotesta. , a Radio Trans. o
Country: Denmark
Patent number: Published 165 273
Countries applicable: DK
Standard(s): GSM 05.08

Company: Motorola
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
Title: Method of operating a radio trans. or Comm. system including central Sta. and a plurality of indi. Remotesta. , a radio trans. o
Country: Germany
Patent number: P 3 787 788
Countries applicable: DE
Standard(s): GSM 05.08

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: NEC Corp.
Title: Method and Apparatus for Encoding Voice Signals
Country: USA
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 Corp.
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 Corp.
Title: Speech Coder
Country: USA
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 Corp.
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 Corp.
Title: Speech Parameter Coding Method and Apparatus
Country: USA
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
Country: Canada
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
Country: United Kingdom
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
Title: Algebraic codebook with signal-selected pulse amplitudes for fast coding of speech
Country: Australia
Application number: AU 9644796
Standard(s): GSM 6.60

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: Nokia
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
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
Title: Speech synthesiser
Country: PCT
Application number: PCT/GB96/01428
Patent number: WO 9700516
Standard(s): GSM 6 .60

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: NTT
Title: Sound Synthesizer
Country: United Kingdom
Patent number: 2 059 726
Countries applicable: GB

Company: NTT
Title: Sound Synthesizer
Country: United Kingdom
Patent number: 2 131 659
Countries applicable: GB

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

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

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

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

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

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

Company: Philips
Country: Germany
Patent number: DE-PS 32 09 381

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

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

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

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

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

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

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

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

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

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

Company: Philips
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
Title: Verfahren zum Decodieren von Binärsignalen
Country: EPC
Application number: EP 92118663.1
Patent number: EP 0542065 A2
Standard(s): GSM 06.21, version 5.0.1

Company: Robert Bosch GmbH
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: Germany
Application number: EP 96934415.9
Patent number: DE 19544367
Countries applicable: Germany
Standard(s): GSM 04.53

Company: Robert Bosch GmbH
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: Germany
Application number: EP 97119992.2
Patent number: DE 19650140
Countries applicable: Germany
Standard(s): GSM 04.53

Company: Robert Bosch GmbH
Title: Verfahren zum Übertragen von Daten, insbesondere von GSM-Daten
Country: Germany
Application number: EP 97119761.1
Patent number: DE 19650141
Countries applicable: Germany
Standard(s): GSM 04.53

Company: Siemens AG
Title: Einrichtung zur zweiseitigen drahtlosen Übertragung von Sprache
Country: Germany
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
Title: Fernmeldenetz sowie Teilnehmerstationen und Zentralstation für ein Fernmeldenetz
Country: Germany
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
Title: Method of Jam-Resistent Communication Transmission
Country: Canada
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
Title: Method of Jam-Resistent Communication Transmission
Country: Germany
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
Title: Method of Jam-Resistent Communication Transmission
Country: USA
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
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: Telia AB
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
Title: A Method and Arrangement for Performance Monitoring in a Telecommunications Network
Country: EPC
Application number: 92850263.2

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

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

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

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

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

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

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

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

HIPERLAN

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

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

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

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

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

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

ISDN

Company: Robert Bosch GmbH
Title: Verfahren und Schaltungsanordnung zum Betreiben von Endgeräten eines digitalen Teilnehmeranschlusses
Country: Germany
Patent number: DE 33 22 152 C2
Countries applicable: Germany
Standard(s): ETS 300 012

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

PSTN

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

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

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

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

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

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

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

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

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

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

RES

Company: BT
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

Television systems

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

TETRA

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

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

Company: Alcatel Alsthom
Title: Dummy Burst Structure
Country: EPC
Application number: EP 94 402 160
Patent number: EP 0 645 903
Countries applicable: Austria, Belgium, Denmark, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom
Notes: Part 2: Air interface

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

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

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

Company: Alcatel Alsthom
Title: Method for forming Groups of Communication Terminals
Country: EPC
Application number: EP 94 200 739
Patent number: EP 0 675 660
Countries applicable: Austria, Belgium, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom

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

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

Company: Alcatel Alsthom
Title: Power Control for Radio Access
Country: EPC
Application number: EP 94 400 502
Patent number: EP 0 615 353
Countries applicable: Belgium, France, Germany, Italy, Netherlands, Spain, Sweden, United Kingdom
Notes: Part 2: Air interface

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

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

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

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

Company: Alcatel Alsthom
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: Austria, Belgium, Denmark, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom
Notes: Part 2: Air interface

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

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

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

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

Company: Motorola
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
Title: Communications Apparatus
Country: United Kingdom
Application number: GB9119186.6
Countries applicable: GB

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

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

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

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

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

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

Company: Motorola
Title: Radio System
Country: Turkey
Patent number: 28221

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: THOMSON-CSF
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: Canada
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
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
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
Title: Dynamic Codebook for Efficient Speech Coding Based on Algebraic Codes
Country: USA
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

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Company: THOMSON-CSF
Title: Procédés et Dispositif de Transmission Numérique de Signaux Vocaux par Voie Radio
Country: EPC
Patent number: 87/4028541

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

TFTS

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

Company: BT
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

UMTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Company: Alcatel Alsthom
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
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: Ericsson
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: Fujitsu Limited
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: Italtel Spa
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
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
Title: Method and Apparatus for Variable Rate Transmitter
Country: Japan
Application number: JP9-164202
Countries applicable: Japan
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 Interim IPR Policy.

Company: Mitsubishi Electric
Title: Method and Apparatus for Variable Rate Transmitter
Country: PCT
Application number: PCT/JP97/03225
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 Interim IPR Policy.

Company: Motorola
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
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 Corp.
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
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
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
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
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: Panasonic
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 Interim IPR Policy.

Company: Philips
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.
Title: W-CDMA, TD-CDMA
Country: n/a
Notes: Qualcomm Inc. have stated that they own IPRs essential to the current W-CDMA and TD-CDMA proposals. Although Qualcomm prefers to license their IPR for the WCDMA proposal on a fair an equitable basis, before they commit to do so, it is of critical importance to achieve convergence between the ETSI proposed specification for W-CDMA and Wideband cdmaOne, resulting in a single worldwide standard.

Company: Robert Bosch GmbH
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
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.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: AP/P/96/00779
Patent number: ZA 94/10066
Countries applicable: ARIPO

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 42682/96
Patent number: ZA 94/10066
Countries applicable: Australia

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: PI9510251-5
Patent number: ZA 94/10066
Countries applicable: Brazil

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 2.208.041
Patent number: ZA 94/10066
Countries applicable: Canada

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 95197655.9
Patent number: ZA 94/10066
Countries applicable: China

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 95941197.6
Patent number: ZA 94/10066
Countries applicable: Europe

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 2411/DEL/95
Patent number: ZA 94/10066
Countries applicable: India

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: P952732
Patent number: ZA 94/10066
Countries applicable: Indonesia

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 8-519339
Patent number: ZA 94/10066
Countries applicable: Japan

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 97-704132
Patent number: ZA 94/10066
Countries applicable: Korea

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: PI9503918
Patent number: ZA 94/10066
Countries applicable: Malaysia

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 95/090
Patent number: ZA 94/10066
Countries applicable: Namibia

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 297514
Patent number: ZA 94/10066
Countries applicable: New Zealand

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: P972825
Patent number: ZA 94/10066
Countries applicable: Norway

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: PCT/GB95/02972
Patent number: ZA 94/10066
Countries applicable: PCT

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 97112107
Patent number: ZA 94/10066
Countries applicable: Russia

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 95/10789
Patent number: ZA 94/10066
Countries applicable: South Africa

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: Not available
Patent number: ZA 94/10066
Countries applicable: Ukraine

Company: Salbu Research & Development (pty) Ltd.
Title: Adaptive Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Application number: 08/849.875
Patent number: ZA 94/10066
Countries applicable: USA

Company: Salbu Research & Development (pty) Ltd.
Title: Enhanced Cellular Communication System ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Patent number: ZA 97/1819
Countries applicable: South Africa

Company: Salbu Research & Development (pty) Ltd.
Title: Method of Operating a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Patent number: ZA 97/5022
Countries applicable: South Africa

Company: Salbu Research & Development (pty) Ltd.
Title: Method of Operating a Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Patent number: ZA 97/1017
Countries applicable: South Africa

Company: Salbu Research & Development (pty) Ltd.
Title: Power Adaption in a Multi-Station Network ODMA (enhancement to WBCDMA, TDCDMA)
Country: South Africa
Patent number: ZA 97/6885
Countries applicable: South Africa

Company: Sharp
Title: W-CDMA, TD-CDMA
Country: n/a
Notes: Sharp have stated that they have checked whether they have relevant IPRs for the two air interfaces W-CDMA, TD-CDMA and are pleased to inform ETSI that they have no such essential IPR which are, or are likely to become essential to the proposals.

Company: Siemens AG
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
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.

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.

History

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