



3G LICENSING PATENT BROCHURE

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Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
KPN001	US 5528629		3GPP TS 26.090	ISLD-200107-003
		JP 2640595		
		CA 2050979		
		AT (EP) 0475520		
		BE (EP) 0475520		
		CH (EP) 0475520		
		DE (EP) 0475520		
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		NO (EP) 0475520		
PT (EP) 0475520				
SE (EP) 0475520				
KPN002	US 5930250		3GPP TS 23.140	ISLD-201504-002
		AU 709087		
		DE (EP) 1814352		
		FR (EP) 1814352		
KPN003	US 5960365		3GPP TS 43.318 3GPP TS 23.261	ISLD-201203-015
		CH (EP) 0716796		
		DE (EP) 0716796		
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SE (EP) 0716796				
KPN004	US 6212662		3GPP TS 25.212	ISLD-201202-010
		US 5978959		
		DE (EP) 0751643		
		FR (EP) 0751643		
KPN005	EP 0785692		3GPP TS 25.211 v. 10.0.0 3GPP TS 23.261 v. 10.2.0 3GPP TS 23.060 v. 10.14.0 3GPP TS 24.312 v. 10.7.0	ISLD-201507-026
		ES (EP) 0785692		
		FR (EP) 0785692		
		UK (EP) 0785692		
		NL (EP) 0785692		
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KPN006	CN101960886		3GPP TS 23.060 3GPP TS 24.008	ISLD-201304-008 ISLD-201304-010
		US 9014667		
		US 9247426		
		US 9253637		
		KR 10-1231986		
		JP 5308459		
		JP 5684323		
		JP 5841566		
		AT (EP) 2250835		
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Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
KPN007	JP 4987126		3GPP TS 26.237	ISLD-201401-007
		US 8549151		
		CN 101953136		
KPN008	CN 102960015	IN 273904	3GPP TS 37.320 v. 10.4.0 3GPP TS 25.304, 25.331, 32.422, 32.521, 32.522	TBD
		JP 5536230		
		US 8626175		
		DE (EP) 2517495		
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KPN009	CN 102356623	SE (EP) 2517495	3GPP TS 23.371 v. 12.4.0	TBD
		JP 5436577		
		KR 10-1287322		
KPN010	JP 5600176		3GPP TS 25.304 v. 10.7.0 3GPP TS 25.484 v. 10.2.0 3GPP TS 25.331 v. 10.6.0	ISLD-201606-002 ISLD-201606-003
		US 8660560		
		DE (EP) 2486750		
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MEL001	CA 2459322		TS25.212 V3.11.0 SFig. 1, TS25.212 V3.11.0 SFig. 11, TS25.212 V3.11.0 SFig. 14(1), TS25.212 V3.11.0 SFig. 2, TS25.101 V3.13.0 SAnnex A.5D Table A.22, TS25.212 V3.11.0 S1, TS25.212 V3.11.0 S4, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3.1, TS25.212 V3.11.0 S4.4.3.2	ISLD-200304-006
		CA 2459325		
		CN ZL99806583.8		
		CN ZL200310119660.3		
		CN ZL200310119655.2		
		CN ZL200610093441.6		
		CN ZL200610101672.7		
		CN ZL200710004467.3		
		CN ZL200710004466.9		
		CN ZL200810005850.5		
		CN ZL200810005842.0		
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		GB (EP) 1830477		
		DE (EP) 1921766		
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		US 08014375		
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MEL002	CA 2329204		TS25.133 V6.0.0 STable 8.7, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 S5.3.2, TS25.211 V5.4.0 SFig. 9, TS25.212	ISLD-200304-006

Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
		CA 2478976	V5.3.0 S1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.12.2, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2,	
		CN ZL99807861.1	TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.212 V5.3.0 SFig. 2, TS25.212 V5.3.0 STable 4, TS25.215	
		DE (EP) 0996301	V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS25.215 V5.6.0 SFig. 1, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2,	
		ES (EP) 0996301	TS45.001 V4.4.0 SFig. 3	
		FR (EP) 0996301		
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		US 07899430		
		US 07912015		
		US 07876730		
		US 07995541		
MEL003	CN ZL00118065.7		TS25.331 V3.18.0 S10.2.27, TS25.331 V3.18.0 S10.3.5, TS25.331 V3.18.0 S8.2.2, TS25.212 V3.11.0 S4.2, TS25.212	ISLD-200302-004
		CN ZL01133943.8	V3.11.0 S4.2.13, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0	
		CN ZL200410003581.0	S3.2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.1	
		CN ZL200610099718.6		
		CN ZL200610099716.7		
		DE (EP) 1047219		
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		DE (EP) 1156616		
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		GB (EP) 1156616		
		DE (EP) 1385290		

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		FR (EP) 1385290		
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		US 6501748		
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		US 7027422		
		US 7133388		
		US 8787322		
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		US 7995540		
		US 9401777		
		US 8094626		
MEL004	BR PI0208395-7	BR 122016005828-0 CN ZL02816662.0 CN ZL200410097891.3 CN ZL200410097893.2 CN ZL200410097896.6 CN ZL200410097897.0 CN ZL200910145984.1 CN ZL200910145985.6 CN ZL200910145986.0 DE (EP) 1471676 FR (EP) 1471676 GB (EP) 1471676 DE (EP) 1404031 FR (EP) 1404031 GB (EP) 1404031 DE (EP) 1471658 FR (EP) 1471658 GB (EP) 1471658 DE (EP) 1471656 FR (EP) 1471656 GB (EP) 1471656 DE (EP) 1471657 FR (EP) 1471657 GB (EP) 1471657 HK 1070203 HK 1076209 HK 1076210 HK 1075985 HK 1076211 KR 10-0561114 KR 10-0803239 KR 10-0561115 KR 10-0561116 KR 10-0803240 KR 10-0850297 MX 246511 MX 265285 MX 278728	TS25.211 V5.0.0 S5.2.1, TS25.211 V5.0.0 SFigure 3, TS25.213 V5.0.0 S4.1, TS25.213 V5.0.0 S4.2.1, TS25.213 V5.0.0 S4.4.1, TS25.213 V5.0.0 S4.4.2, TS25.213 V5.0.0 SFigure 1, TS25.213 V5.0.0 SFigure 7, TS25.308 V5.2.0 S4, TS25.308 V5.2.0 S5.1	TBD

Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
		MX 296792		
		US 7289423		
		US 7145863		
		US 7307943		
		US 7102993		
		US 07953124		
		US 08064326		
		US 08897119		
MEL005	EP 1684455		TS25.309 V6.6.0 S9.2.1, TS25.321 V6.14.0 S11.8.1.1.2, TS25.321 V6.14.0 S11.8.1.3.1, TS25.321 V6.14.0 S11.8.1.4, TS25.321 V6.14.0 S11.8.2.1.1, TS25.321 V6.14.0 S4.2.4.5, TS25.309 V6.6.0 S1, TS25.309 V6.6.0 S9.1	TBD
		DE (EP) 1684455		
		FR (EP) 1684455		
		GB (EP) 1684455		
		JP 04275667		
		KR 10-0905355		
		US 08233430		
MEL006	CN ZL01810114.3		TS202 050 V1.1.1 S4, TS202 050 V1.1.1 S5.1.1, TS202 050 V1.1.1 S5.1.10, TS202 050 V1.1.1 S5.1.3, TS202 050 V1.1.1 S5.1.4, TS202 050 V1.1.1 S5.1.5, TS202 050 V1.1.1 S5.1.7, TS202 050 V1.1.1 S5.1.9, TS202 050 V1.1.1 SFigure 4.1, TS202 050 V1.1.1 SFigure 5.1, TS202 050 V1.1.1 SFigure 5.2, TS202.050 V1.1.1 S4, TS202.050 V1.1.1 S5.1.1, TS202.050 V1.1.1 S5.1.10, TS202.050 V1.1.1 S5.1.3, TS202.050 V1.1.1 S5.1.4, TS202.050 V1.1.1 S5.1.5, TS202.050 V1.1.1 S5.1.7, TS202.050 V1.1.1 S5.1.9, TS202.050 V1.1.1 SFigure 4.1, TS202.050 V1.1.1 SFigure 5.1, TS202.050 V1.1.1 SFigure 5.2, TS26.243 V6.1.0 S2, TS26.243 V6.1.0 SFile main.c	TBD
		DE (EP) 1376539		
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		GB (EP) 1376539		
		JP 03574123		
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		US 7349841		
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		US 07788093		
		US 07660714		
ORA001	EP 0782128		3GPP TS 26.190 (Sections 4.3, 4.4, 5.1, 6, 6.1, 6.2)	ISLD-201607-002
		DE (EP) 0782128		
		FR 2742568		
		GB (EP) 0782128		
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		KR 421226		
		US 5787390		
ORA002	US 7313518		3GPP TS 22.243 V8.0.0 (Sections 1, 3.1, 4, 5 and 7, figure 1)	ISLD-201409-019
		BR PI0116844-4		
		CA 2436318		
		CN 1284139		
		DE (EP) 1356461		
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ORA003	US 7171215		3GPP TS 25.133 v 3.22.0 (sections 8.1.2.1, 8.1.2.2, 8.1.2.2.1, 8.1.2.2.5, 8.1.2.3.2, 8.1.2.3.4) 3GPP TS 23.060 v 3.17.0 (sections 5.1, 5.3.1.3)	ISLD-201607-002
		CN 02823438.3		
		FR 2832895		
		JP 4032428		
ORA008	US 7860069		3GPP TS 23 401 V8.15.0 (section 4, 4.1, 4.2, 4.2.1, 4.3.3, 4.3.3.1, 5.1.2.1, 5.3.1.1, 5.3.2.1)	ISLD-201409-002
		CN ZL200510062618.1		
		JP 4824334		
		JP 5318911		
ORA016	US 8837306		3GPP TS 25.331 v8.25.0 (sections 8.5.14, 8.5.24, 8.5.2) 3GPP TS 23.122 v 8.11.0 (sections 4.3.1, 4.4, 4.4.3, 4.4.3.1.1, 4.4.3.2.1)	ISLD-201607-002
		CN 201310467762.8		
		JP 5501762		
ORA019	EP 2080345		ETSI TS 182 025 V3.3.1 (sections 1,4, 4.1, 4.2, 6, 6.1, 6.1.2, 6.1.3,6.1.5, 6.1.5.1) 3GPP TS 23.228 V9.4.0 (sections 4, 4.3, 4.3.3, 4.3.3.2, 4.3.3.2b, 4.3.3.3, 4.3.3.4, 4.3.5.2, 4.6, 4.6.3, 5, 5.2, 5.2.1, 5.2.1a, 5.2.1a.0.)	ISLD-201607-002
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		US 8493967		
ORA027	JP 5319670		3GPP TS 23.402 V8.8.0 (sections 1, 4, 4.1, 4.1.0, 4.2, 4.2.3, 6, 6.1, 6.2, 6.3, 7, 7.1,7.1.2,7.3, 8.4.2) 3GPP TS 23.401 V8.9.0 (sections 1, 4, 4.3, 4.3.1, 4.3.1.2, 4.4, 4.4.3.3, 4.4.3.2, 4.4.3.1, 4.4.3) IETF RFC 5555 (sections 2.5, 3.1, 3.1.1, 4.5)	ISLD-201607-002
		CN ZL200880022199.1		
		CN 104038926		
		US 9615345		
ORA030	US 8781469		3GPP TS 23.401 V8.15.0 (Sections 4.3.2.2, 4.7.5, 5.3.2.1, Fig. 5.3.2.1-1, 5.4.1, and Fig. 5.4.1-1) 3GPP TS 23.203 V8.14.0 (Sections 3.1, 4.1, and 5.2.2) 3GPP TS 29.212 V8.15.0 (Section 4.5.1)	ISLD-201607-002
		US 9319976		
		AT (EP) 2597926		
		BE (EP) 2597926		

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		TR (EP) 2597926		
ORA032	US 8532076		3GPP TS 23.327 V8.4.0 (Sections 1, 2, 4.1, 5, 5.2.2, Fig. 5.2.2-1, 5.3.1, 5.3.3, 5.4, 6.1, Fig.6.1, 6.3.2.1, and Fig.6.3.2.1-1)	ISLD-201408-002
		DE (EP) 2266351		ISLD-201408-003
		ES (EP) 2266351	3GPP TS 23.060 V8.15.0 (Sections 1, 5, 5.3.0, 5.4.0, Fig. 2, 5.4.1.1, 5.4.1.2, and 9.2.1)	ISLD-201408-004
		FR (EP) 2266351	3GPP TS 23.234 V8.0.0 (Section 5.10.1)	
		GB (EP) 2266351		
		IT (EP) 2266351		
		US 8964714		
ORA039	US 8570936		3GPP TS 23.060 V8.9.0 (Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A and 9.6; Figure 1)	ISLD-201211-004
		CN ZL200680017858		ISLD-201211-006
		CN ZL201210078576	3GPP TS 23.401 V8.10.0 (Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1 and 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1 and 4.7.2.2-1)	ISLD-201211-007
		DE (EP) 1869840		ISLD-201211-008
		ES (EP) 1869840	3GPP TS 23.402 V8.6.0 (Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3 and 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1 and 8.5.1-1)	
		FR (EP) 1869840		
		GB (EP) 1869840		
		IT (EP) 1869840	3GPP TS 23.203 V8.11.0 (Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1 and H.2; Figures A.1, A.4, D.1.1 and D.2.1)	
		JP 4933528		
		NL (EP) 1869840		
		PL (EP) 1869840		
		TR (EP) 1869840		
ORA040	US 8565159		3GPP TS 23.060 V8.15.0 (Sections 1, 4)	ISLD-201211-009
		CN ZL200780009678	3GPP TS 23.327 V8.4.0 (Sections 1, 4, 4.1, 5.2.1, Fig. 5.2.1-1, 5.3.1, 5.3.2, 6.1, 6.3.1, Fig 6.3.1-1, 6.3.2.2, Fig 6.3.2.2-1)	ISLD-201211-010
		CN ZL201210256418		ISLD-201211-011
		DE (EP) 1974576	3GPP TS 23.234 V8.0.0 (Sections 1, 4, 5.7.1, 6.1.2, Fig. 6.2a, 6.2.6)	
		ES (EP) 1974576		
		FR (EP) 1974576		
		GB (EP) 1974576		
		HK1219367		
		IT (EP) 1974576		
		US 8194608		
ORA041	US 8072923		3GPP TS 23.401 V8.15.0 (Sections 1, 3.1, 4.1, 4.2.1, Fig. 4.2.1-2, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, Fig.4.7.2.2-1, 5.3.1.1, and 5.3.2.1.)	ISLD-201211-012
		CN ZL200680016492		
		CN ZL201110148681		
		JP 5384934		
		JP 5491650		
		US 8971246		
ORA042	US 8064384		3GPP TS 23.060 V8.9.0 (Sections 9.2.2.1 Fig. 63, Fig. 64)	ISLD-201211-013
		BE (EP) 1861982	3GPP TS 24.008 V8.10.0 (Sections 10.5.6.4, Fig. 10.5.137, Table 10.5.155)	ISLD-201211-014
		CH (EP) 1861982	3GPP TS 23.401 V8.15.0 (Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, and 5.3.2.1; Fig.4.2.1-2, Fig. 4.7.2.2-1)	ISLD-201211-015
		DE (EP) 1861982		
		ES (EP) 1861982		
		FR (EP) 1861982		
		GB (EP) 1861982		
		IT (EP) 1861982		
		NL (EP) 1861982		
		PL (EP) 1861982		
		TR (EP) 1861982		
		SE (EP) 1861982		
		CN ZL200680017166		
		JP 4970422		
		US 9001732		
ORA043	EP 1869841		3GPP TS 23.060 V8.7.0 (Sections 9.2.1A ; 9.2.1.1 ; 9.2.2.1 ; 9.2.2.1.1 ; 15.3.0 ; 15.3.1 ; Figures 63 ; 64)	ISLD-201011-005
		DE (EP) 1869841	3GPP TS 23.207 V8.0.0 (Sections 4.2 ; 4.7 ; 5.1 ; 5.2 ; 5.2.1 ; 5.2.2 ; 6.1 ; 6.1.1 ; 6.1.2 ; 6.4 ; Figures ; Annex A : A.2 ; A.2.5 ; Annex C ; Figure A.7)	ISLD-201011-006
		FR (EP) 1869841		ISLD-201011-007
		GB (EP) 1869841	3GPP TS 23.228 V8.12.0 (Sections 4.0 ; 4.2.4 ; 4.2.4a ; 4.6.0 ; 4.6.1 ; 4.6.3 ; 5.4.0 ; 5.4.2a ; Figures 4.0 ; 5.5b ;	ISLD-201011-008
ORA046	EP 1772030		3GPP TS 23.401 V8.10.0 (Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5 and Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1 and 5.1.2.5-1)	ISLD-201308-022
		CN ZL200580025881		ISLD-201308-023
		DE (EP) 1772030	3GPP TS 29.060 V8.3.0 (Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13, Table 6, Figure 21)	ISLD-201308-024
		ES (EP) 1772030	3GPP TS 29.061 V8.6.0 (Section 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3, Figures 11ba and 11bb)	
		FR (EP) 1772030	3GPP TS 23.060 V8.10.0 (Sections 9.2.2, 9.2.2.1, 9.2.2.1A, Figures 63 and 64)	
		GB (EP) 1772030		
		IN 271359		
		IT (EP) 1772030		
		US 8179888		
		US 9237058		
ORA047	EP 1771978		3GPP TS 23.401 V8.10.0 (Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5 and Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1 and 5.1.2.5-1)	ISLD-201308-025
		CN ZL200580024907		ISLD-201308-026
		DE (EP) 1771978	3GPP TS 29.060 V8.3.0 (Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13, Table 6 and Figure 21)	ISLD-201308-027

Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
		ES (EP) 1771978	3GPP TS 23.060 V8.10.0 (Sections 9, 9.1, 9.1.0, 9.2.1.1, 9.2.2, 9.2.2.1, 9.2.2.1A, 9.2.3, 9.2.3.0, 9.2.3.3, 15.3, 15.3.0,	ISLD-201308-028
		FR (EP) 1771978	45.3.1 and Figures 62,63 and 64)	
		GB (EP) 1771978	3GPP TS 24.008 V8.10.0 (Sections 9.5.10, 9.5.10.3, 10.5.6.12, Tables 9.5.10, 10.2.162, 10.5.144, 10.5.144a,	
		IN 272738	10.5.144b and 10.5.144c)	
		IT (EP) 1771978	3GPP TS 29.061 V8.6.0 (Sections 11.2.1, 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3 and Figure 11ba)	
		US 7860073		
OIRA048	EP 1741264		3GPP TS 29.060 V8.11.0 (Sections 3.1, 4.1, Figure 1)	ISLD-201308-012
		CN ZL200580020466	3GPP TS 23.401 V8.8.0 (Sections 5.1, 5.1.1.1, 5.1.1.4, Figure 5.1.1.4-1, 5.1.1.5, Figure 5.1.1.5-1, 5.1.1.6, Figure	ISLD-201308-013
		DE (EP) 1741264	5.1.1.6-1, 5.1.1.7, Figure 5.1.1.7-1, 5.1.1.8, Figure 5.1.1.8-1, 5.1.2.1, Figure 5.1.2.1-1, 5.1.2.2, Figure 5.1.2.2-1,	ISLD-201308-014
		ES (EP) 1741264	5.1.2.3, Figure 5.1.2.3-1, 5.1.2.4, Figure 5.1.2.4-1, 5.1.2.5, Figure 5.1.2.5-1)	ISLD-201308-015
		FR (EP) 1741264	3GPP TS 23.402 V8.8.0 (Sections 1, 4.2.2, Figure 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, Figure 5.1.4-1,	ISLD-201308-016
		GB (EP) 1741264	5.1.4.2, Figure 5.1.4.2-1, 5.1.4.3, Figure 5.1.4.3-1, 5.1.4.4, Figure 5.1.4.4-1, 5.1.3.1, Figure 5.1.3.1-1, 6.1.2, Figure	ISLD-201010-005
		IN 255363	6.1.2-1, Annex A, A.1, Figure A.1-1, Figure A.1-2, Figure A.1-3, A2, Figure A.2-1)	ISLD-201010-006
		IT (EP) 1741264	3GPP TS 23.228 V8.9.0 (Sections 4.6.0, 4.6.1, 5.4.2a, Figure 5.5b, E0, E5)	ISLD-201010-007
		JP 4660539	3GPP TS 23.060 V8.7.0 (Sections 4, 5.3.2.4, 5.3.2.5, 5.5, Table 1, 5.6.2.1, 5.6.2.2, Figure 6a, Figure 6b, Figure 6c,	ISLD-201010-008
		US 7907618	Figure 6d, 5.6.3, 5.6.3.1, Figure 7, 5.6.3.2, Figure 8, 9.2.1, 9.2.2.1, Figure 63, Figure 64.)	ISLD-201010-009
OIRA051	EP 1614270		3GPP 23.401 V8.10.0 (Sections 1, 4.2.2, 4.3.8.2, 5.3.1.1 and 5.3.2.1; Figures 4.2.2-1 and 5.3.2.1-1)	ISLD-201308-011
		CN ZL200480010345		
		CN ZL201210055880		
		DE (EP) 1614270		
		ES (EP) 1614270		
		FR (EP) 1614270		
		GB (EP) 1614270		
		IT (EP) 1614270		
		JP 4579905		
		NL (EP) 1614270		
		PL (EP) 1614270		
		TR (EP) 1614270		
		US 7839825		
		US 8130725		
		US 8406198		
OIRA052	EP 1602215		3GPP TS 23.401 V8.10.0 (Section 4.2.2; Figure 4.2.2-3)	ISLD-201109-013
		CN ZL200480006637	3GPP TS 23.060 V8.9.0 (Sections 9.2.2, 9.2.2.1 and 9.2.3.2; Figures 63, 64, 71a and 71b)	ISLD-201109-014
		DE (EP) 1602215	3GPP TS 24.008 V8.10.0 (Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155)	ISLD-201109-015
		FR (EP) 1602215	3GPP TS 29.061 V8.7.0 (Sections 11.2.1.4; Figures 11c, Figure 11d and Figure 11)	ISLD-201109-016
		GB (EP) 1602215	3GPP TS 23.228 V8.12.0 (Sections 3.1, I.1, I.2, I.3, I.3.1 and I.3.1.2, Figures I.1 and I.3)	ISLD-201109-017
		IN 227148	IETF RFC 3344 (2002-08) (included by reference in TS 29.061):(Sections 1.5, 1.7 and 3)	ISLD-201308-007
		JP 5248586		ISLD-201308-008
		KR 10-1007005		ISLD-201308-009
		US 7640017		ISLD-201308-010
		US 8023946		
OIRA056	EP 1636961		3GPP TR 22.279 V7.1.0 (Sections 1, 2, 3.1, 6 and 8)	ISLD-201308-029
		BR PI0411577	3GPP TS 22.979 V7.0.0 (Section A.1.1)	ISLD-201308-030
		CH (EP) 1636961	3GPP TS 23.279 V7.7.0: (Sections 8.1, 8.3.1 and 8.3.2; Figures 8-1, 8.3-1 and 8.3-2)	ISLD-201308-031
		CN ZL200480016891.4		
		DE (EP) 1636961		
		ES (EP) 1636961		
		FR (EP) 1636961		
		GB (EP) 1636961		
		IN 228935		
		IT (EP) 1636961		
		JP 4511529		
		SE (EP) 1636961		
		US 7860037		
OIRA057	EP 1561316		3GPP TS 23.207 v6.6.0 (sections 5.1.2, 5.1.2.1, 5.2, 5.2.1)	ISLD-201607-002
		CN ZL200380103043.2	3GPP TS 23.228 v6.16.0 (sections 4, 4.0, 5.4.7, 5.4.7.0, 5.4.7.1, 5.4.7.6, Annex E, E.0, E.1, E.1.0, E.1.1.1, E.2.3,	
		DE (EP) 1561316	E.2.3.0)	
		ES (EP) 1561316	IETF RFC 3775 (Abstract, 2, 3.2, 4, 4.1, 6, 6.1, 6.3, 6.4, 8, 8.2, 9.3.2)	
		FR (EP) 1561316	IETF RFC 6275 (Abstract, 2, 3.2, 4, 4.1, 6, 6.1, 6.3, 6.4, 8, 8.2, 9.3.2)	
		GB (EP) 1561316		
		IT (EP) 1561316		
		JP 4690045		
		US 7554949		
OIRA058	EP 1838044		3GPP TS 23.327 V8.4.0 (Sections 1, 3.2, 4.2, 5, 5.2.1, 5.3.1, 5.3.2, 5.4, 5.5, 6.1, 6.3.1 and 6.3.2.2; Figures 5.2.1-1,	ISLD-201308-032
		CN ZL200780010663	6.1, 6.3.1-1 and 6.3.2.2-1)	ISLD-201308-033
		DE (EP) 1838044	3GPP TS 23.234 V8.0.0 (Sections 1, 2, 3.2, 5.7.1, 5.13.1, 5.13.2, 6.1.1, 6.2.1, 6.2.5, 6.2.6 and H.4; Figure 6.1)	ISLD-201308-034
		ES (EP) 1838044	3GPP TS 23.107 V8.2.0 (Section 6.3)	
		FR (EP) 1838044		
		GB (EP) 1838044		
		IT (EP) 1838044		
		JP 5806948		
		JP 6063998		
		US 9413681		
OIRA059	US 8184646		3GPP TS 23.060 V8.15.0 (4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, Fig. 6a, 9.2.2.1, Fig. 63, Fig.	ISLD-201211-019
		CN ZL200780010562	64)	ISLD-201211-020
		JP 5740672	3GPP TS 23.107 V8.2.0 (Sections 6.4.3.1, 6.4.3.2)	ISLD-201211-021
		DE (EP) 1999907	3GPP TS 24.008 V8.16.0 (Sections 9.5.1, Table 9.5.1, 10.5.6.5, Fig. 10.5.138, Table 10.5.156)	
		FR (EP) 1999907		
		ES (EP) 1999907		
		GB (EP) 1999907		

Family	Exemplary Patent	Family Members	Relevant Standards Sections	ETSI Declaration
		IT (EP) 1999907		
		NL (EP) 1999907		
		US 9166824		
ORA060	EP 1671501		3GPP TS 23.204 version 8.5.0 (Sections 5.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.1.1, 5.3.2, 6.1 and 6.4)	ISLD-201109-011 ISLD-201109-012 ISLD-201308-035 ISLD-201308-036
		CN ZL200480029734		
		DE (EP) 1671501		
		ES (EP) 1671501		
		FR (EP) 1671501		
		GB (EP) 1671501		
		IN 250080		
		IT (EP) 1671501		
		JP 4702853		
		US 8364180		
		US 8526983		
ORA063	EP 0562890		ETSI TS 100 922 V8.0.0 (Sections 1, 6.2)	ISLD-200402-003
		AT (EP) 0562890	ETSI TS 101 622 V6.0.1 (Sections 4.3, 5, 5.2.)	
		BE (EP) 0562890	3GPP TS 22 038 V3.4.0 (Sections 9.1.)	
		ES (EP) 0562890	ETSI TS 100 977 V8.13.0 (Sections Annex E, Annex I.)	
		GB (EP) 0562890	ETSI TS 101 267 V8.17.0 (Sections 3.2, 7, 7.1, 7.1.1, 7.1.2)	
		HK 1005009	3GPP TS 22.003 V6.0.0 (Sections Annex A.1.3.4, A.1.3.4.2)	
		IE (EP) 0562890	3GPP TS 23.040 V3.9.0 (Sections 3.1, 3.2.3, 9.2.3, 9.2.3.9, 9.2.3.22, 9.2.3.24, 9.2.3.24.10, 9.2.3.24.10.1, 9.2.3.24.10.1.1., Fig. 1)	
		IT (EP) 0562890		
		LU (EP) 0562890		
		NL (EP) 0562890		
ORA064	EP 0960542		3GPP TS 21.111 V7.1.0 (Sections 1, 4, 5.1, 5.2, 6.1 and 11.2)	ISLD-201011-001 ISLD-201011-002 ISLD-201011-003 ISLD-201011-004
		AU 729163	3GPP TS 31.101 V7.0.1 (Section 8.1)	
		CA 2280150	ETSI TS 102.221 V7.4.0 (Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K and K.2)	
		CN ZL98802464.0	3GPP TS 31.102 V7.13.0 (Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2)	
		DE (EP) 0960542		
		ES (EP) 0960542		
		FR (EP) 0960542		
		GB (EP) 0960542		
		GB 2322045		
		IN 208486		
		IT (EP) 0960542		
		JP 4357596		
		US 6856818		
ORA065	US 7102663		3GPP TR 22.279 V7.1.0 (Sections 1, 2, 3.1, 6 and 8)	ISLD-201308-029 ISLD-201308-030 ISLD-201308-031
		CN 100466718	3GPP TS 22.979 V7.0.0 (Section A.1.1)	
		CN ZL01818343.3	3GPP TS 23.279 V7.7.0: (Sections 8.1, 8.3.1 and 8.3.2; Figures 8-1, 8.3-1 and 8.3-2)	
		DE (EP) 1921855		
		ES (EP) 1921855		
		FR (EP) 1921855		
		GB (EP) 1921855		
		IE (EP) 1921855		
		IT (EP) 1921855		
		NL (EP) 1921855		
		TR (EP) 1921855		
		US 7995091		