

SISVEL LTE PATENT BROCHURE

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Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date		
LTE-001	AIRBUS DS	FR 2829642	US 7471728	1	3GPP TS 36.211 V9.1.0 (2010-03): Sections 6.1, 6.1.1, 6.2, 6.2.1, 6.2.2, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 6.10.2, 6.10.2.1, 6.10.2.2, 6.10.3, 6.10.3.1, 6.10.3.2, 6.10.4, 6.10.4.1, 6.10.4.2, 7.2; Figures 6.2.2-1, 6.10.1.2-1, 6.10.1.2-2, 6.10.2.2-1, 6.10.2.2-3, 6.10.3.2-1, 6.10.3.2-2, 6.10.3.2-3, 6.10.4.2-1, 6.10.4.2-2	ISLD-201309-002	12/9/2001		
									9/8/2001
LTE-002	AIRBUS DS	EP 1364547	CA 2439566 DE 60209106.3 EP 1364547 (FR) EP 1364547 (GB) EP 1364547 (IT) US 7254393	1	3GPP TS 36.133 v9.3.0 (2010-03), Section 7.6, 7.6.1, 8.1.2.2.1.1, 3GPP TS 36.211 v9.1.0 (2010-03), Section 5.2.1, 6.2.1, Figure 5.2.1-1 3GPP TS 36.213 v9.1.0 (2010-03), Section 5.1, 3GPP TS 36.214 v9.1.0 (2010-03), Section 5.2.2, 3GPP TS 36.300 v9.2.0 (2009-12), Section 10.1, 10.1.2, Figure 10.1.2.1.1-1 3GPP TS 36.321 v9.1.0 (2009-12), Section 5.10 3GPP TS 36.331 v9.1.0 (2009-12). Section 5.5.1, 6.2.2, 6.3.5, 10.2.2	ISLD-201309-002	1/3/2002		
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LTE-003	AIRBUS DS	EP 1198906 (FR)		1,13	3GPP TS 36.201 V11.1.0 (2013-02): Sections 4, 4.1, 4.1.1, 4.2, 4.2.1, 4.3, 4.3.1, 6, 6.1.2 3GPP TS 36.211 V11.1.0 (2013-02): Sections 4, 4.1, 5.2.3 3GPP TS 36.300 V11.1.0 (2013-02): Sections 11.1, 11.1.1, 11.1.2 3GPP TS 36.321 V11.1.0 (2013-02): Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.300 V8.12.0 (2010-03): Section 4	ISLD-201309-002	1/8/2000		
		US 7224683		1, 11	3GPP TS 36.211 V8.9.0 (2009-12): Sections 4, 4.1, 4.2, 5, 5.1, 5.2, 5.2.1, 5.2.2, 5.2.3; Figures 4.1-1, 4.2-1, 5.2.1-1. 3GPP TS 36.331 V8.19.0 (2013-03): Sections 1, 3, 3.2, 5, 5.3, 5.3.1, 5.3.1.1, 5.3.10, 5.3.10.0, 5.3.10.1, 5.3.10.5, 6, 6.3, 6.3.2 3GPP TS 36.321 V8.12.0 (2012-03): Sections 5, 5.10, 5.10.2. 3GPP TS 36.213 V8.8.0 (2009-09): Sections 8, 8.3; Tables 8-1, 8.3-1	ISLD-201309-002	1/8/2000		
LTE-021	KPN	EP 2250835		38	3GPP TS 23.060 V10.5.0 (2011-09): Sections 5.3.6.2.3, 5.3.6.2.4 3GPP TS 24.008 V10.4.0 (2011-09): Sections 4.1.1.7, 4.7.3.1.4, 9.4.4, 9.4.4.2; Table 9.4.4	ISLD-201304-010	19/2/2009		
		EP 2337403		35	3GPP TS 23.060 v10.5.0 (2011-09) Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1 and 14.2 3GPP TS 23.003 v10.3.0 (2011-09) Section 2.1 3GPP TS 24.008 v10.4.0 (2011-09) Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4 and 9.4.4.2 3GPP TS 22.368 v11.3.0 (2011-09) Annex A.	ISLD-201304-010	19/2/2009		

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date
LTE-021	KPN	JP 5308459		35	3GPP TS 23.060 V10.5.0 Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.6.3, 6.5.0, 14.1 and 14.2. 3GPP TS 23.003 V10.3.0 Section 2.1. 3GPP TS 24.008 V10.4.0 Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2, 9.4.22 and 9.4.22.1. 3GPP TS 22.368 V11.3.0 Annex A.	ISLD-201304-010	19/2/2009
		US 9014667		35	3GPP TS 22.368 V10.5.0; sections 3.1, 3.2, 4, 7.1.1 and Annex (A) (Informative) 3GPP TS 22.003 V10.10.0; section 2.1 3GPP TS 23.060 V10.14.0; sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.3, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.8.2.2, 13.1, 13.2.1, 13.2.3, 13.4, 14.1 and 14.2 3GPP TS 24.008 V10.15.0; sections 4.1.1.7, 4.7.3.1.4 and 6.1.3.11	ISLD-201304-010	19/2/2009
			EP 2250835 (AT)				19/2/2009
			EP 2250835 (BE)				19/2/2009
			EP 2250835 (CH)				19/2/2009
			DE 602009003834.6				19/2/2009
			DE 602009013108.7				19/2/2009
			EP 2250835 (DK)				19/2/2009
			ES 2376616				19/2/2009
			EP 2250835 (FI)				19/2/2009
			EP 2250835 (FR)				19/2/2009
			EP 2337403 (FR)				19/2/2009
			EP 2250835 (GB)				19/2/2009
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			EP 2250835 (IE)				19/2/2009
			EP 2250835 (IS)				19/2/2009
			EP 2250835 (IT)				19/2/2009
			KR 101231986				19/2/2009
			EP 2337403 (NL)				19/2/2009
			EP 2250835 (PL)				19/2/2009
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			US 9,247,426				19/2/2009
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			US 9,781,743				19/2/2009
			KR 10-1231986				19/2/2009
			JP 5684323				19/2/2009
			JP 5841566				19/2/2009
			JP 5926433				19/2/2009
			CN 101960886				19/2/2009
			CN 103139696				19/2/2009
			CN 103139698				19/2/2009
			IN 273372				19/2/2009
LTE-022	KPN	EP 831613		1	3GPP TR 21.905 V11.3.0 (2012-12): Section 3 (0-9) ETSI TS 136 212 V8.8.0 (2010-01): Sections 1, 5, 5.1.1, 5.1.2, 5.3.2, 5.3.2.1 ; Figure 5.3.2-1	ISLD-201203-018	21/11/1996
			EP 831613 (BE)				21/11/1996
			EP 831613 (CH)				21/11/1996
			DE 69629564.4				21/11/1996
			ES 2204993				21/11/1996
			EP 831613 (FI)				21/11/1996
			EP 831613 (FR)				21/11/1996
			EP 831613 (IE)				21/11/1996
			EP 831613 (IT)				21/11/1996
			EP 831613 (LU)				21/11/1996
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Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date	
LTE-022	KPN		EP 831613 (SE)				21/11/1996	
LTE-023	KPN	US 6212662		1, 2, 3	3GPP TS 36.212 V9.3.0, Section 5, 5.1, 5.1.1, 5.1.2, 5.1.3, Table 5.1.3-1, 5.1.3.2, 5.1.3.2.1, Figure 5.1.3-2, 5.1.3.2.3, 3GPP TS 36.212 V9.3.0, Table 5.1.3-3	ISLD-201202-010	24/6/1996	
LTE-024	KPN	EP 2299649	CN 102025723 DE 602010002693.0 EP 2299649 (ES) EP 2299649 (FI) EP 2299649 (FR) EP 2299649 (GB) EP 2299649 (HU) EP 2299649 (IT) JP 5237340 EP 2299649 (NL) EP 2299649 (PL) EP 2299649 (SE) US 8601141	1, 15	3GPP TS 23.228 V10.4.0, 3.1, 4.14, 3GPP TS 24.229 V10.3.0, 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0	ISLD-201302-007 ISLD-201302-008 ISLD-201304-014	16/9/2010	
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				LTE-026	KPN	CN 101953136		1
1	3GPP TS 26.237 V10.8.0; Section 4.3, 7, 7.1, 8, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.1, 13.2, Figures 3, 4, 7 and 30; 3GPP TS 26.114 V10.8.0; Section 4.1, 6, 6.1, and Figure 4.1 3GPP TS 26.346 V9.15.0; Section 5.2, 5.2.1, 5.2.3, 5.2.3.1, 5.2.4, 5.2.5, 5.2.5.1, 5.2.5.7, and 5.2.5.8.	ISLD-201401-007	22/12/2008					
JP 4987126		1	3GPP TS 26.234 V10.5.0 Sections 5.6.1; and 5.6.2 3GPP TS 26.237 V10.8.0 Sections 4.3; Figure 3; Figure 4; 8.1; 8.2.3.1; Figure 7; 8.2.3.2; 8.2.4.1 Figure 8; 8.2.4.2; 8.2.4.3; 13; 13.1; Figure 30; 13.2; 21; 21.1.1; Figure 46; and 21.1.4 3GPP TS 26.114 V10.8.0 Sections 4.1; Figure 4.1; 6.1 and 6.2.1			ISLD-201401-007	22/12/2008	
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US 8549151							22/12/2008	
LTE-027	KPN	EP 2567564	DE 602011005344.2 EP 2567564 (FI) EP 2567564 (GB) EP 2567564 (NL) EP 2567564 (SE) CN 102870451 JP 5969983 US 9,462,544	1	3GPP TS 32.551 V11.3.1: Sections 3.1, 4.1.1 3GPP TS 36.300 V11.9.0: Sections 20.2.2.15, 22.4.4.2 3GPP TS 36.413 V11.6.0: Sections 8.1.14	ISLD-201505-009	4/5/2011	
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LTE-028	KPN	EP 2517495		1	3GPP TS 32.521 V10.2.0: Section 4.1 3GPP TS 32.522 V10.6.0: Section 4.5.3.1 3GPP TS 36.331 V10.12.0: Sections 5.6.5.1, 5.6.5.2, 5.6.5.3, 5.6.6.1, 5.6.6.2 3GPP TS 37.320 V10.4.0: Sections 4.1, 5.1.1.1, 5.1.1.3.2, 5.1.1.3.3, 5.1.3, 5.1.4, 7, Annex A	ISLD-201505-005	16/12/2010	

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date	
LTE-028	KPN	JP 5536230		1, 6	3GPP TS 36.304 V10.7.0 Section 8 3GPP TS 36.306 V10.10.0, Section 4.3.13 3GPP TS 36.331 V10.15.0, Section 5.6.6.1; 5.6.6.2; 6.2.2; 5.6.5 3GPP TS 32.422 V10.13.0: Section 4.1.1.2a, 4.1.5 and 6; Figure 6.2 3GPP TS 32.521 V10.2.0: Section 5.1.5 and 5.4.3 3GPP TS 32.522 V10.6.0: Section 4.5.3.1 and 4.5.5 3GPP TS 37.320 V10.4.0: Section 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2, 5.1.1.3.3 and Annex A	ISLD-201505-005	16/12/2010	
		US 8626175		DE 602010016869.7 ES 2491641 EP 2517495 (FI) EP 2517495 (FR) EP 2517495 (GB) EP 2517495 (NL) EP 2517495 (SE) CN102960015	1	3GPP TS 36.331 V10.15.0 Section 5.6.1; 5.6.6.2; 6.2.2; 5.6.5. 3GPP TS 32.521 V10.2.0: Section 5.1.5 and 5.4.3 3GPP TS 32.522 V10.6.0: Section 4.5.3.1 and 4.5.5 3GPP TS 37.320 V10.4.0: Annex A, Section 3.1, 4.1 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2 and 5.1.1.3.3; Figure 5.1.1.1-1,	ISLD-201505-005	16/12/2010
LTE-029	3G LICENSING	US 7313518	BR PI0116844 CA 2436318 CN 1284139 DE 60142490.5 ES 2347760 EP 01356461 (FR) EP 01356461 (GB) HK 1057639 JP 4210521 KR 549133B1 MX 243041 EP 01356461 (NL) EP 01356461 (TR)	10	3GPP TS 22.243 V8.0.0 sections 1, 3.1, 4, 5 and 7, figure 1, as referring to ETSI ES 202 050 V1.1.5 3GPP TS 26.243 V8.0.0 section 2 as referring to ETSI 202 050 V1.1.5 3GPP TS 26.177 V8.0.0 section 2 as referring to ETSI 202 050 V1.1.5 3GPP ETSI ES 202 050 V1.1.5 sections 4, 5.1.1, 5.1.3, 5.1.4 and 5.1.5, and figures 4.1, 5.1 and 5.2.	ISLD-201409-019 ISLD-201409-020 ISLD-201409-021	19/11/2001	
				LTE-030	3G LICENSING	CN 200680017858		1

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date		
LTE-030	3G LICENSING	EP 1869840		1	3GPP TS 23.060 V8.9.0 (2010-06): 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 3GPP TS 23.401 V8.10.0 (2010-06): 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 3GPP TS 23.402 V8.6.0 (2009-06): 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 3GPP TS 23.203 V8.11.0 (2010-09): 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	ISLD-201211-004 ISLD-201211-006 ISLD-201211-007 ISLD-201211-008	22/3/2006		
								JP 4933528	1
				CN 201210078576					22/3/2006
				DE 602006014383.4					22/3/2006
				ES 2346469					22/3/2006
				EP 01869840 (FR)					22/3/2006
				EP 01869840 (GB)					22/3/2006
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				EP 01869840 (PL)					22/3/2006
				EP 01869840 (TR)					22/3/2006
		US 8570936					22/3/2006		
LTE-031	3G LICENSING	CN 200780009678		1	3GPP TS 23.060 V8.15.0: Sections 1, and 4 3GPP TS 23.327 V8.4.0: Sections 1, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, and 6.3.2.2 and Figures 5.2.1-1, 6.1, 6.3.1-1, and 6.3.2.2-1; 3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, and 6.2.6, and Figure 6.2a.	ISLD-201211-009 ISLD-201211-010 ISLD-201211-011	15/1/2007		
								US 8194608	1
				US 8565159	1	3GPP TS 23.060 V8.15.0: Sections 1, and 4 3GPP TS 23.327 V8.4.0: Sections 1, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, and 6.3.2.2 and Figures 5.2.1-1, 6.1, 6.3.1-1, and 6.3.2.2-1; 3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, and 6.2.6, and Figure 6.2a.	ISLD-201211-009 ISLD-201211-010 ISLD-201211-011	15/1/2007	
				DE 602007039854.1				15/1/2007	
				ES 2532612				15/1/2007	
				EP 01974576 (FR)				15/1/2007	
				EP 01974576 (GB)				15/1/2007	
				HK 1219367				15/1/2007	
		EP 01974576 (IT)				15/1/2007			
LTE-032	3G LICENSING	CN 200680016492		1	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, 5.3.2.1, and 5.10.2 and Figures 4.2.1-1, 4.2.1-2 and 4.7.2.2-1	ISLD-201211-012	23/3/2006		

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date	
LTE-032	3G LICENSING	JP 5384934		1	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, 5.3.2.1, and 5.10.2 and Figures 4.2.1-1, 4.2.1-2 and 4.7.2.2-1	ISLD-201211-012	23/3/2006	
		JP 5491650		1	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, 5.3.2.1, and 5.10.2 and Figures 4.2.1-1, 4.2.1-2 and 4.7.2.2-1	ISLD-201211-012	23/3/2006	
		US 8072923		1	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, 5.3.2.1, and 5.10.2 and Figures 4.2.1-1, 4.2.1-2 and 4.7.2.2-1	ISLD-201211-012	23/3/2006	
		US 8971246		1	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, 5.3.2.1, and 5.10.2 and Figures 4.2.1-1, 4.2.1-2 and 4.7.2.2-1	ISLD-201211-012	23/3/2006	
LTE-033	3G LICENSING	CN 200680017166		1	3GPP TS 23.060 V8.9.0 (2010-07): subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0 (2012-01): subclauses 1.3.1, 4.1, 4.2.1, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1; and Fig 4.2.1-2, and Fig 4.7.2.2-1 3GPP TS 24.008 V8.10.0 (2010-07): subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155.	ISLD-201211-013 ISLD-201211-014 ISLD-201211-015	23/3/2006	
			JP 4970422		1	3GPP TS 23.060 V8.9.0 (2010-07): subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0 (2012-01): subclauses 1.3.1, 4.1, 4.2.1, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1; and Fig 4.2.1-2, and Fig 4.7.2.2-1 3GPP TS 24.008 V8.10.0 (2010-07): subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155.		ISLD-201211-013 ISLD-201211-014 ISLD-201211-015
			US 8064384		1	3GPP TS 23.060 V8.9.0 (2010-07): subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0 (2012-01): subclauses 1.3.1, 4.1, 4.2.1, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1; and Fig 4.2.1-2, and Fig 4.7.2.2-1 3GPP TS 24.008 V8.10.0 (2010-07): subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155.		ISLD-201211-013 ISLD-201211-014 ISLD-201211-015
			BE (EP)1861982					23/3/2006
			CH (EP)1861982					23/3/2006
			DE (EP)1861982					23/3/2006
			ES (EP)1861982					23/3/2006
			FR (EP)1861982					23/3/2006
			IT (EP)1861982					23/3/2006
			NL (EP)1861982					23/3/2006
	PL (EP)1861982					23/3/2006		
	SE (EP)1861982					23/3/2006		
	TR (EP)1861982					23/3/2006		
LTE-034	3G LICENSING	CN 200580025881		1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-022 ISLD-201308-023 ISLD-201308-024	11/7/2005	

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date	
LTE-034	3G LICENSING	EP 1772030		1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-022 ISLD-201308-023 ISLD-201308-024	11/7/2005	
			US 8179888	1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-022 ISLD-201308-023 ISLD-201308-024	11/7/2005	
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LTE-035	3G LICENSING	CN 101019383		1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-025 ISLD-201308-026 ISLD-201308-027 ISLD-201308-028	10/6/2005	
			EP 1771978	1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-025 ISLD-201308-026 ISLD-201308-027 ISLD-201308-028	10/6/2005	
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		US 7860073		1	3GPP TS 29.060 V8.3.0 (2008-03) section 3.1 3GPP TS 23.401 V8.10.0 (2010-06) 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, 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; 3GPP TS 29.061 V8.6.0 (2010-06) sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3, figures 11c, 11d, 11e, 11bb and 11ba; 3GPP TS 23.060 V8.10.0 (2010-09) sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64;	ISLD-201308-025 ISLD-201308-026 ISLD-201308-027 ISLD-201308-028	10/6/2005	
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Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date		
LTE-036	3G LICENSING	CN 200580020466 EP 1741264		1	3GPP TS 29.060 V8.11.0 Sections 3.1, 4.1, Figure 1 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 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, 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 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, 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 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 3GPP TS 23.228 V8.9.0 Sections 4.6.0, 4.6.1, 5.4.2a, Figure 5.5b, E0, E5 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, 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 6.3, Figure 6.4	ISLD-201308-012 ISLD-201308-013 ISLD-201308-014 ISLD-201308-015 ISLD-201308-016	19/4/2005		
				1	3GPP TS 29.060 V8.11.0 Sections 3.1, 4.1, Figure 1 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 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, 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 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, 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 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 3GPP TS 23.228 V8.9.0 Sections 4.6.0, 4.6.1, 5.4.2a, Figure 5.5b, E0, E5 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, 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 6.3, Figure 6.4	ISLD-201308-012 ISLD-201308-013 ISLD-201308-014 ISLD-201308-015 ISLD-201308-016	19/4/2005		
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LTE-037	3G LICENSING	US 7995523		1, 12	3GPP TS 23.401 V8.17.0: Sections 1, 4.2.1, 4.2.3, 4.7.1, 4.7.2.1, 4.7.2.2 and 5.4.5; Figures 4.2.1-1 and 5.4.5-1 3GPP TS 24.303 V8.9.0: Sections 1, 4.1, 5.1.1, 5.1.2.3 and 5.1.2.4 IETF RFC 6275 (included by reference in TS 24.303 V8.9.0): Abstract, Sections 10.4.1, 10.4.2 and 11.7.1	ISLD-201511-018	24/9/2003		
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								24/9/2003	
								24/9/2003	
LTE-038	3G LICENSING	CN 200480010345		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004		

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date
LTE-038	3G LICENSING	EP 1614270		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004
		JP 4579905		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004
		US 7839825		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004
		US 8130725		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004
		US 8406198		1	3GPP TS 23.401 V8.10.0 (2010-06): 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	16/4/2004
		CN 201210055880					16/4/2004
		DE 602004027718.5					16/4/2004
		ES 2347652					16/4/2004
		EP 1614270 (GB)					16/4/2004
		EP 1614270 (IT)					16/4/2004
EP 1614270 (NL)					16/4/2004		
EP 1614270 (PL)					16/4/2004		
EP 1614270 (TR)					16/4/2004		
LTE-039	3G LICENSING	CN 200480006637		1	3GPP TS 23.401 V8.10.0: Section 4.2.2, and Figure 4.2.2-3; 3GPP TS 23.060 V8.9.0: Sections 9.2.2 and 9.2.2.1, and Figures 63 and 64; 3GPP TS 24.008 V8.10.0: Section 10.5.6.4, and Figure 10.5.137, and Table 10.5.155; 3GPP TS 29.061 V8.7.0: Section 11.2.1.4, and Figures 11c, 11d, and 11e; 3GPP TS 23.228 V8.12.0: Section 3.1, and Annex I.1, I.2, I.3, I.3.1, and I.3.1.2, and Figures I.1 and I.3; IETF RFC 3344 (2002-08) (included by reference in TS 29.061): Sections 1.5, 1.7 and 3.	ISLD-201109-013 ISLD-201109-014 ISLD-201109-015 ISLD-201109-016 ISLD-201109-017	10/3/2004
		EP 1602215		1	3GPP TS 23.401 V8.10.0: Section 4.2.2, and Figure 4.2.2-3; 3GPP TS 23.060 V8.9.0: Sections 9.2.2 and 9.2.2.1, and Figures 63 and 64; 3GPP TS 24.008 V8.10.0: Section 10.5.6.4, and Figure 10.5.137, and Table 10.5.155; 3GPP TS 29.061 V8.7.0: Section 11.2.1.4, and Figures 11c, 11d, and 11e; 3GPP TS 23.228 V8.12.0: Section 3.1, and Annex I.1, I.2, I.3, I.3.1, and I.3.1.2, and Figures I.1 and I.3; IETF RFC 3344 (2002-08) (included by reference in TS 29.061): Sections 1.5, 1.7 and 3.	ISLD-201109-013 ISLD-201109-014 ISLD-201109-015 ISLD-201109-016 ISLD-201109-017	10/3/2004
		IN 227148		1	3GPP TS 23.401 V8.10.0: Section 4.2.2, and Figure 4.2.2-3; 3GPP TS 23.060 V8.9.0: Sections 9.2.2 and 9.2.2.1, and Figures 63 and 64; 3GPP TS 24.008 V8.10.0: Section 10.5.6.4, and Figure 10.5.137, and Table 10.5.155; 3GPP TS 29.061 V8.7.0: Section 11.2.1.4, and Figures 11c, 11d, and 11e; 3GPP TS 23.228 V8.12.0: Section 3.1, and Annex I.1, I.2, I.3, I.3.1, and I.3.1.2, and Figures I.1 and I.3; IETF RFC 3344 (2002-08) (included by reference in TS 29.061): Sections 1.5, 1.7 and 3.	ISLD-201109-013 ISLD-201109-014 ISLD-201109-015 ISLD-201109-016 ISLD-201109-017	10/3/2004
		JP 5248586		1	3GPP TS 23.401 V8.10.0: Section 4.2.2, and Figure 4.2.2-3; 3GPP TS 23.060 V8.9.0: Sections 9.2.2 and 9.2.2.1, and Figures 63 and 64; 3GPP TS 24.008 V8.10.0: Section 10.5.6.4, and Figure 10.5.137, and Table 10.5.155; 3GPP TS 29.061 V8.7.0: Section 11.2.1.4, and Figures 11c, 11d, and 11e; 3GPP TS 23.228 V8.12.0: Section 3.1, and Annex I.1, I.2, I.3, I.3.1, and I.3.1.2, and Figures I.1 and I.3; IETF RFC 3344 (2002-08) (included by reference in TS 29.061): Sections 1.5, 1.7 and 3.	ISLD-201109-013 ISLD-201109-014 ISLD-201109-015 ISLD-201109-016 ISLD-201109-017	10/3/2004
		DE 602004023182.7					10/3/2004
EP 01602215 (FR)					10/3/2004		

Family	Patent Owner	Exemplary Patents	Family Members	Claim	Illustrative sections of the standard	ETSI Declaration	Filing date		
LTE-039	3G LICENSING		EP 01602215 (GB)				10/3/2004		
			KR 1007005				10/3/2004		
			US 7640017				10/3/2004		
LTE-040	3G LICENSING	EP 1636961		1	3GPP TS 23.060 V8.13.0 (2011-06): Sections 1, 3.1, 4, 5.4.0, 5.4.1.5, 9.2.1A, 9.2.3.0, 9.2.3.2A, 9.2.3.2, 15.3.0 and 15.3.1; Figures 2a, 71c, 71a and 71b 3GPP TS 23.401 V8.14.0 (2011-06): Sections 1, 3.1, 4.1, 4.2.1, 4.3.1, 4.3.2.1, 4.3.3.1, 4.3.2.2, 4.4.3.1, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2 and 5.4.3; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1 and 5.4.3-1 3GPP TS 23.402 V8.9.0 (2010-06): Section 4.3.3.3 IETF RFC 5213 (2008-08; included by reference in 3GPP TS 23.402): Sections 2.2, 3, 5.3.1, 6.10.5 and 8.1 IETF RFC 3775 (2004-06; included by reference in IETF RFC 5213): Abstract and section 11.7.2	ISLD-201211-016 ISLD-201211-017 ISLD-201211-018	17/5/2004		
				IN 228935	1	3GPP TS 23.060 V8.13.0 (2011-06): Sections 1, 3.1, 4, 5.4.0, 5.4.1.5, 9.2.1A, 9.2.3.0, 9.2.3.2A, 9.2.3.2, 15.3.0 and 15.3.1; Figures 2a, 71c, 71a and 71b 3GPP TS 23.401 V8.14.0 (2011-06): Sections 1, 3.1, 4.1, 4.2.1, 4.3.1, 4.3.2.1, 4.3.3.1, 4.3.2.2, 4.4.3.1, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2 and 5.4.3; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1 and 5.4.3-1 3GPP TS 23.402 V8.9.0 (2010-06): Section 4.3.3.3 IETF RFC 5213 (2008-08; included by reference in 3GPP TS 23.402): Sections 2.2, 3, 5.3.1, 6.10.5 and 8.1 IETF RFC 3775 (2004-06; included by reference in IETF RFC 5213): Abstract and section 11.7.2	ISLD-201211-016 ISLD-201211-017 ISLD-201211-018	17/5/2004	
				JP 4511529	1	3GPP TS 23.060 V8.13.0 (2011-06): Sections 1, 3.1, 4, 5.4.0, 5.4.1.5, 9.2.1A, 9.2.3.0, 9.2.3.2A, 9.2.3.2, 15.3.0 and 15.3.1; Figures 2a, 71c, 71a and 71b 3GPP TS 23.401 V8.14.0 (2011-06): Sections 1, 3.1, 4.1, 4.2.1, 4.3.1, 4.3.2.1, 4.3.3.1, 4.3.2.2, 4.4.3.1, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2 and 5.4.3; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1 and 5.4.3-1 3GPP TS 23.402 V8.9.0 (2010-06): Section 4.3.3.3 IETF RFC 5213 (2008-08; included by reference in 3GPP TS 23.402): Sections 2.2, 3, 5.3.1, 6.10.5 and 8.1 IETF RFC 3775 (2004-06; included by reference in IETF RFC 5213): Abstract and section 11.7.2	ISLD-201211-016 ISLD-201211-017 ISLD-201211-018	17/5/2004	
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LTE-041	3G LICENSING	CN 200780010663		20	3GPP TS 23.327 V8.4.0 (2009-09): 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, 6.1, 6.3.1-1 and 6.3.2.2-1 3GPP TS 23.234 V8.0.0 (2008-12): 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 3GPP TS 23.107 V8.2.0 (2011-12): Section 6.3	ISLD-201308-032 ISLD-201308-033 ISLD-201308-034	24/3/2006			
				20	3GPP TS 23.327 V8.4.0 (2009-09): 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, 6.1, 6.3.1-1 and 6.3.2.2-1 3GPP TS 23.234 V8.0.0 (2008-12): 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 3GPP TS 23.107 V8.2.0 (2011-12): Section 6.3	ISLD-201308-032 ISLD-201308-033 ISLD-201308-034	24/3/2006			
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LTE-042	3G LICENSING	US 8184646		18	3GPP TS 23.401 V8.18.0, Section 3.1, 4.3.3, 4.3.3.1, 4.3.5, 4.3.5.1, 4.3.5.2, 4.7, 4.7.1, 5.1.2, 5.1.2.1, 5.3.2 and 5.3.2.1, Figure 5.1.2.1-1 3GPP TS 24.301 V8.10.0, Section 4.2, 8.3.8, 8.3.8.1, 9.9.4.3 and 9.9.4.3, Figure 9.9.4.3.1, Table 8.3.8.1 3GPP TS 23.002 V8.6.0, Section 3.1, 4.1.4, 4.1.4.1, 4.1.4.2, 4.1.4.2.1 and 4.1.4.2.2 3GPP TS 23.203 V8.14.0, Section 3.1, 6.1.7 and 6.1.7.2	ISLD-201211-019 ISLD-201211-020 ISLD-201211-021	19/3/2007			
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LTE-043	3G LICENSING	CN 200480029734		1	3GPP TS 23.204 V8.5.0, 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	7/10/2004			
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				1	3GPP TS 23.204 V8.5.0, 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	7/10/2004			



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LTE-043	3G LICENSING		DE 602004015819.4				7/10/2004		
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LTE-044	3G LICENSING	AU 729163		18	3GPP TS 21.111 V7.1.0 (2008-06): Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0 (2008-09): Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1 (2007-06): Section 8.1 ETSI TS 102.221 V7.4.0 (2006-01): 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; Figure 8.2, 8.4 and K.1 ; Tables 8.1 and 11.11	ISLD-201011-001 ISLD-201011-002 ISLD-201011-003 ISLD-201011-004	19/1/1998		
		CA 2280150		18	3GPP TS 21.111 V7.1.0 (2008-06): Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0 (2008-09): Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1 (2007-06): Section 8.1 ETSI TS 102.221 V7.4.0 (2006-01): 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; Figure 8.2, 8.4 and K.1 ; Tables 8.1 and 11.11	ISLD-201011-001 ISLD-201011-002 ISLD-201011-003 ISLD-201011-004	19/1/1998		
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		JP 4357596		18	3GPP TS 21.111 V7.1.0 (2008-06): Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0 (2008-09): Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29 ; Figure 4.2 3GPP TS 31.101 V7.0.1 (2007-06): Section 8.1 3GPP TS 102.221 V7.4.0 (2006-01): 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; Figure 8.2, 8.4 and K.1 ; Table 8.1 and 11.11	ISLD-201011-001 ISLD-201011-002 ISLD-201011-003 ISLD-201011-004	19/1/1998		
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LTE-045	3G LICENSING	CN 100466718		8	3GPP TS 22.279 V7.1.0: Sections 1, 2, 3.1, 6 and 8 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 3GPP TS 23.228 V7.16.0: Sections 4.13.2 and 4.13.3; Figure 4.13-1 3GPP TS 24.173 V9.1.0: Sections 4.2, 5.1 and 5.2 3GPP TS 24.229 V7.28.0: Sections 5.1, 5.1.2A.1, 6.1.2, 6.1.3, 7.9.2, 7.2A.8.1, 7.2A.8.2, 7.2A.9.1, 7.2A.9.2, 7.9.2 and 7.9.3 3GPP TS 24.279 V7.7.0: Sections 6.3.1.8, 6.3.1.9, 7.3.1.3, 7.3.1.4, A.1, A.2, A.3, 7.3.1.8 and 7.3.1.9	ISLD-201308-0029 ISLD-201308-0030 ISLD-201308-0031	16/10/2001	
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LTE-049	SISVEL	EP 852885	CN ZL96197188.6 EP 852885 (AT) AU 715225 EP 852885 (BE) CA 2232792 DE 69635453.5 ES 2250997 EP 852885 (FR) GR 3056241 HK 1015598 EP 852885 (IE) EP 852885 (IT) EP 852885 (NL) NO 325994 NZ 318789 US 6646998	12	3GPP TS23.401 V8.18.0 (2013-04): Sections 4.7, 4.7.1, 4.7.2, 4.7.2.1, 5.4, 5.4.1, 5.7, 5.7.1; Tables 5.4.1-1, 5.7.1-1	ISLD-201106-009 ISLD-201305-003	25/9/1996	
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LTE-052	SISVEL	EP 1807956 US 7283499		1	3GPP TS 36.201 V8.3.0 (2009-03): Sections 4.2.1, 3GPP TS 36.212 V8.8.0 (2010-01): 5.2, 5.2.1, 5.2.2, 5.2.2.6 3GPP TS 36.213 V8.8.0 (2009-09): 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Tables 7.2.1-1, 7.2.2-1, 7.2.3-0, 7.2.3-1	ISLD-201305-003	13/10/2005		
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LTE-052	SISVEL		EP 1807956 (PL)				13/10/2005		
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LTE-054	SISVEL	EP 1051870		18	3GPP TS 24.301 V8.10.0 (2011-06): Sections 6.4.3.1, 6.4.3.2, 6.4.3.4, 8.3.17.1, 8.3.18.1, 8.3.18.2, 9.3.2, 9.9.4.3, 9.9.4.4; Figure 6.4.3.2.1; Tables 8.3.17.1, 8.3.18.1	ISLD-201305-003	31/8/1998		
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				17	3GPP TS 24.301 V8.10.0 (2011-06): Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		31/8/1998		
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				DE 69838854.2				31/8/1998	
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LTE-057	SISVEL	US 7894443		16	3GPP TS 36.322 v10.0.0 (2012-12): Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	ISLD-201305-003	22/8/2006		
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LTE-059	3G LICENSING	EP 1869841	DE 602006011142.8 EP 01869841 (FR) EP 01869841 (GB)	1	3GPP TS 23.060 V8.7.0 (2010-01): 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 3GPP TS 23.207 V8.0.0 (2009-01): 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 3GPP TS 23.228 V8.12.0 (2010-03): 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; Annex E: E.0; E.5 3GPP TS 23.401 V8.8.0 (2010-01): sections 1; 4.2.1; 4.2.2; 4.4.4; Figures 4.2.1-1; 4.2.1-2; 4.2.2-1; 4.2.2-2, 4.2.2-3 3GPP TS 24.008 V9.3.0 (2010-06): sections 9.5.4; 9.5.4.1; 10.5.6.12; tables 9.5.4; 10.5.162 3GPP TS 24.229 V8.11.0 (2010-04): Annex B: B.1; B.2.1; B.2.2.1; B.2.2.5.1; B.2.2.5.1A; B.2.2.5.1B 3GPP TS 24.060 V9.3.0 (2010-06): section 7.7.3f	ISLD-201011-005 ISLD-201011-006 ISLD-201011-007 ISLD-201011-008 ISLD-201011-009 ISLD-201011-010 ISLD-201308-017 ISLD-201308-018 ISLD-201308-019 ISLD-201308-020 ISLD-201308-021	22/3/2006
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LTE-063	3G LICENSING	EP 1690361 US 7933564	DE 602004042246.0 EP 1690361 (FR) JP 4845738 KR 10-1092537	12	3GPP TS 36.211 v10.7.0 (2013-04): Sections 6.3, 6.3.3, 6.3.4.3	ISLD-201607-001	2/12/2004
				1	3GPP TS 36.211 V10.7.0 (2013-04): Sections 6.3, 6.3.2, 6.3.3, 6.3.3.3, 6.3.4, 6.3.4.3; Figure 6.3-1; Table 6.3.3.3-1		2/12/2004
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LTE-064	KPN	JP 5436577	KR 10-1287322 US 9,667,669	17	3GPP TS23.228 v12.4.0 Annex U.1.0, U.1.2, U.2.2, Fig. U.1.2-1 3GPP TS 24.371 v12.9.0, Sections 1, 2, 4.1 5D.1, 5D.2 and 7.1	ISDL-2016-006	19/1/2010
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LTE-065	3G LICENSING	EP 2597926	EP 2597926 (BE) EP 2597926 (CH) DE 602008043679.9 EP 2597926 (FR) EP 2597926 (GB) EP 2597926 (IE) EP 2597926 (IT) EP 2597926 (PL) EP 2597926 (PT) EP 2597926 (RO) EP 2597926 (SE) EP 2597926 (TR) US 8781469 US 9319976 EP 2597926 (AT)	9	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		9/10/2008
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				LTE-071	KPN	EP 0785692	

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LTE-071	KPN		EP 0785692 (DE)			ISLD-201507-025	23/7/1997	
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			EP 0785692 (FR)			ISLD-201507-025	23/7/1997	
			EP 0785692 (GB)			ISLD-201507-025	23/7/1997	
			EP 0785692 (NL)			ISLD-201507-025	23/7/1997	
			NL 1001561			ISLD-201507-025	23/7/1997	
			EP 0785692 (SE)			ISLD-201507-025	23/7/1997	
			EP1362447 (BE)				14/2/2002	
			EP1362447 (CH)				14/2/2002	
			EP1362447 (FR)				14/2/2002	
			EP1362447 (GB)				14/2/2002	
			EP1362447 (IT)				14/2/2002	
			EP1362447 (LI)				14/2/2002	
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			ES2284822				14/2/2002	
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			CN100495956				14/2/2002	
			US7170948				14/2/2002	
LTE-073	MITSUBISHI ELECTRIC		JP 04814388				23/7/2010	
LTE-074	MITSUBISHI ELECTRIC		CN ZL200580049106.X				14/3/2005	
			JP 04527149				14/3/2005	
			US 07937084				14/3/2005	
LTE-075	MITSUBISHI ELECTRIC		CN ZL200480021840.0				29/7/2004	
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US 08125963				29/7/2004				
LTE-076	MITSUBISHI ELECTRIC		JP 04097129				8/8/2002	
			JP 05037305				9/11/2007	
			JP 04772838				1/8/2008	
LTE-077	MITSUBISHI ELECTRIC	US 9635656		3	3GPP TS 36.213 V9.0.1 (2009-12): Sections 7.2, 7.2.2 3GPP TS 36.201 V9.0.0 (2009-12): Section 5.5 3GPP TS 36.321 V9.1.0 (2009-12): Section 5.4.4		27/12/2006	
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			IN 263874					27/12/2006
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LTE-078	MITSUBISHI ELECTRIC		CN ZL200780053418.7				27/12/2007	
			EP 3125451				16/9/2016	
			JP 05111568				29/6/2010	
			US 08249635				27/12/2007	
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LTE-079	MITSUBISHI ELECTRIC		CN ZL201210065257.6				5/3/2012	
			EP 2031775				27/4/2007	

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LTE-079	MITSUBISHI ELECTRIC		JP 05289531 JP 4841630 KR 10-1213062 US 08149749	2	3GPP TS 36.213 V9.0.1 (2009-12): Sections 7.2, 10.1		4/10/2011 30/7/2014 27/4/2007 27/4/2007
LTE-080	MITSUBISHI ELECTRIC		CN ZL201210178008.8 JP 05048094 US 08149765 US 08675546				29/5/2012 12/3/2010 8/9/2004 7/2/2012
LTE-081	MITSUBISHI ELECTRIC		JP 04902592 JP 05037706				9/5/2008 11/3/2011
			CN ZL200480042891.1 CN ZL201010534930.7 CN ZL201010534929.4 JP 04510006 JP 04763085 JP 05220903 US 08583156				30/4/2004 25/10/2010 25/10/2010 30/4/2004 20/7/2010 2/8/2011 30/4/2004
LTE-083	MITSUBISHI ELECTRIC		AU 2008212453 AU 2011201566 AU 2014204428 CN ZL200880000038.1 IN 268040 JP 04698734 JP 05550697 KR 10-1018316 KR 10-1359411 KR 10-1796712 RU 2432716 RU 05295309 US 9161181				1/2/2008 6/4/2011 15/7/2014 1/2/2008 1/2/2008 1/2/2008 12/10/2012 1/2/2008 11/8/2010 16/5/2014 1/2/2008 22/6/2011 1/2/2008
LTE-084	MITSUBISHI ELECTRIC		AU 2009312285 AU 2014201266 AU 2015252029 CN ZL200980143951.1 EP 2346286 JP 05538802 JP 5726351 KR 10-1279523 RU 2461149 RU 2554533 RU 2599542 US 9713068 US 9877268				26/10/2009 7/3/2014 3/11/2015 26/10/2009 26/10/2009 2/10/2009 30/4/2014 26/10/2009 26/10/2009 29/1/2014 6/5/2015 26/10/2009 23/7/2015
LTE-085	MITSUBISHI ELECTRIC		CN ZL201080044486.9 JP 5683474 JP 5905533 US 08626163 US 9615310				15/9/2010 15/9/2010 11/7/2014 15/9/2010 25/11/2013
LTE-086	MITSUBISHI ELECTRIC		CN ZL200580049478.2 EP 1873925				20/4/2005 20/4/2005

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LTE-086	MITSUBISHI ELECTRIC		DE 1873925				20/4/2005
			GB 1873925				20/4/2005
			JP 4413966				20/4/2005
			JP 5546379				16/7/2010
			JP 5788053				11/4/2014
			US 8717912				20/4/2005
			IN 00260195				9/8/2006
			JP 4800388				9/8/2006
			JP 5236774				22/4/2011
			JP 5602255				11/1/2013
			KR 10-1258130				9/8/2006
			KR 10-1389809				24/6/2010
			KR 10-1329607				4/3/2011
			US 8660046				9/8/2006
LTE-087	MITSUBISHI ELECTRIC		CN ZL200780030693.7				9/8/2007
			EP 2068578				9/8/2007
			JP 4776693				9/8/2007
			US 8165082				9/8/2007
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LTE-088	MITSUBISHI ELECTRIC		CN ZL201080006364.0				28/1/2010
			JP 05139543				28/1/2010
			JP 05744266				4/3/2014
			US 9072104				28/1/2010
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LTE-089	MITSUBISHI ELECTRIC		CN ZL200510063850.7				7/4/2005
			EP 1585232				8/4/2004
			JP 05318038				30/6/2010
			US 07756210				29/3/2005
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LTE-090	MITSUBISHI ELECTRIC		CN ZL200610163544.5				12/10/2006
			EP 1775981				13/10/2005
			DE 2247135				17/8/2010
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LTE-091	MITSUBISHI ELECTRIC		EP 02134006				23/6/2009
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LTE-092	MITSUBISHI ELECTRIC		CN ZL200710101661.3				19/3/2007			
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			GB 2276299				16/9/2010			
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			FR 2271161				17/9/2010			
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			GB 2268091				17/9/2010			
			US 8073459				19/3/2007			
			LTE-093	MITSUBISHI ELECTRIC	EP 1845678		1, 3	3GPP TS 36.201 V8.3.0 (2009-03): Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.6.0 (2009-03): Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.6.0 (2009-03): Sections 7.2, 7.2.1		14/4/2006
						CN ZL200710096137.1				13/4/2007
CN ZL201110332960.4		13/10/2011								
EP 2086146		13/2/2009								
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JP 04974744		16/4/2007								
JP 05015303		6/8/2010								
DE 1845678		14/4/2006								
ES 1845678		14/4/2006								
FI 1845678		14/4/2006								
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FR 2086146		13/2/2009								
GB 2086146		13/2/2009								
IT 2086146		13/2/2009								
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SE 2086146		13/2/2009								
TR 2086146		13/2/2009								
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GB 2256976		9/9/2010								
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FR 2256977		9/9/2010								
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GB 2285030		9/9/2010								

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LTE-094	MITSUBISHI ELECTRIC	EP 2254259		1, 4	3GPP TS 36.211 V8.8.0 (2009-03): Sections 4.1.1, 4.2.1, 5.4.1, 5.5.2.2.1, 5.2.2.2.2 3GPP TS 36.213 V8.8.0 (2009-09): Sections 7.3, 10.1 3GPP TS 36.321 V8.7.0 (2009-09): Sections 5.4.1, 5.4.4, 5.4.5, 7.2.1 3GPP TS 36.331 V8.7.0 (2009-09): Sections 6.3.2		22/9/2006
			CN ZL200710182191.8				21/9/2007
			JP 05327734				20/9/2007
			US 08412210				14/9/2007
			US 08825067				25/8/2011
			EP 1903689				22/9/2006
			DE 1903689				22/9/2006
			FR 1903689				22/9/2006
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GB 2254259		22/9/2006					
LTE-095	MITSUBISHI ELECTRIC		EP 1871023				23/6/2006
LTE-096	MITSUBISHI ELECTRIC		CN ZL201180029113.9				4/4/2011
			JP 5810151				4/4/2011
			US 8995374				4/4/2011
			EP 2136596				20/8/2009
LTE-097	MITSUBISHI ELECTRIC		DE 2136596				20/8/2009
			FR 2136596				20/8/2009
			JP 5844711				26/10/2012
			US 08027392				30/11/2005
LTE-098	MITSUBISHI ELECTRIC		CN ZL200610075251.1				17/4/2006
			EP 1715708				18/4/2005
			FR 1715708				18/4/2005
			GB 1715708				18/4/2005
			US 08081709				13/7/2010
LTE-099	MITSUBISHI ELECTRIC		EP 2023504				5/8/2008
			DE 2023504				5/8/2008
			GB 2023504				5/8/2008
			JP 05089519				25/7/2008
			KR 10-1061685				5/8/2008
			KR 10-1061639				25/6/2010
			US 8086272				6/8/2007
			EP 2313989				7/5/2009
			DE 2313989				7/5/2009
			FR 2313989				7/5/2009
			JP 05079098				7/5/2009
			US 8842554				7/5/2008
LTE-101	MITSUBISHI ELECTRIC		CN ZL200980116297.5				7/5/2009
			EP 2294717				7/5/2009
			FR 2294717				7/5/2009
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			JP 05079097				7/5/2009

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LTE-102	MITSUBISHI ELECTRIC		CN ZL200980116094.6				7/5/2009			
			JP 05199387				7/5/2009			
LTE-103	MITSUBISHI ELECTRIC		CN ZL200980121915.5				9/6/2009			
			EP 2289258				9/6/2009			
			EP 2533600				5/9/2012			
			DE 2533600				5/9/2012			
			FR 2533600				5/9/2012			
			JP 5749159				9/6/2009			
			JP 5830131				14/5/2014			
			KR 10-1561271				9/6/2009			
			US 08744342				9/6/2009			
			LTE-104	MITSUBISHI ELECTRIC		CN ZL200980136505.8				24/7/2009
EP 2333994							24/7/2009			
JP 05420552							24/7/2009			
KR 10-1643434							24/7/2009			
US 08526512							24/7/2009			
LTE-105	MITSUBISHI ELECTRIC		CN ZL201080010770.4				10/3/2010			
			JP 05048867				10/3/2010			
			JP 05462327				19/7/2012			
LTE-106	MITSUBISHI ELECTRIC		AU 2011215256				9/2/2011			
			EP 2536221				9/2/2011			
			JP 5806123				9/2/2011			
			JP 6076427				3/9/2015			
			US 9565713				9/2/2011			
LTE-107	MITSUBISHI ELECTRIC		AU 2011246790				25/4/2011			
			CN ZL201180021251.2				25/4/2011			
			JP 6072859				29/6/2015			
			RU 2570360				25/4/2011			
			RU 2612030				5/11/2015			
			US 8917644				25/4/2011			
LTE-108	MITSUBISHI ELECTRIC		CN ZL201080018936.7				23/3/2010			
			JP 05511916				28/8/2012			
			JP 05721878				25/3/2014			
			JP 06080885				24/3/2015			
			US 8953523				23/3/2010			
			US 9438390				6/11/2014			
			US 9705648				18/3/2016			
			US 9380563				20/12/2011			
			LTE-110	MITSUBISHI ELECTRIC		JP 5922101				26/3/2012
						JP 6257684				13/4/2016
US 9392599							26/3/2012			
US 9730213							13/6/2016			