

## SISVEL LTE PATENT BROCHURE

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Family	Patent Owner	Exemplary Patent	Family Members	Claim(s)	Illustrative section(s) of the standard	ETSI Declaration	Filing Date	
LTE-001	AIRBUS DS	FR 2829642		1	3GPP TS 36.211 V9.1.0: 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 Sep 2001	
			US 7471728					09 Aug 2001
LTE-002	AIRBUS DS	EP 1364547		1	3GPP TS 36.133 v9.3.0: Section 7.6, 7.6.1, 8.1.2.2.1.1, 3GPP TS 36.211 v9.1.0: Section 5.2.1, 6.2.1, Figure 5.2.1-1 3GPP TS 36.213 v9.1.0: Section 5.1, 3GPP TS 36.214 v9.1.0: Section 5.2.2, 3GPP TS 36.300 v9.2.0: Section 10.1, 10.1.2, Figure 10.1.2.1.1-1 3GPP TS 36.321 v9.1.0: Section 5.10 3GPP TS 36.331 v9.1.0: Section 5.5.1, 6.2.2, 6.3.5, 10.2.2	ISLD-201309-002	01 Mar 2002	
			CA 2439566					01 Mar 2002
			DE 60209106.3					01 Mar 2002
			EP 1364547 (FR)					01 Mar 2002
			EP 1364547 (GB)					01 Mar 2002
			EP 1364547 (IT)					01 Mar 2002
		US 7254393				01 Mar 2002		
LTE-003	AIRBUS DS	US 7224683		1, 11	3GPP TS 36.300 V8.12.0: Section 4 3GPP TS 36.211 V8.9.0: 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: 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: Sections 5, 5.10, 5.10.2. 3GPP TS 36.213 V8.8.0: Sections 8, 8.3; Tables 8-1, 8.3-1	ISLD-201309-002	01 Aug 2000	
			EP 1198906 (FR)				1, 13	3GPP TS 36.201 V11.1.0: 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: Sections 4, 4.1, 5.2.3 3GPP TS 36.300 V11.1.0: Sections 11.1, 11.1.1, 11.1.2 3GPP TS 36.321 V11.1.0: Sections 5.10, 5.10.1, 5.10.2

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LTE-021	KPN	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 Feb 2009		
		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 Feb 2009		
		EP 2337403		16, 30, 34	3GPP TS 22.368 v10.5.0: Annex A (informative) 3GPP TS 23.003 v10.10.0: Sections 2.1, 2.8.1, 3GPP TS 23.060 v10.14.0: Sections 14.1, 14.2, 14.2A, 3GPP TS 23.401 v10.13.0: Sections 4.3.1, 4.3.2, 4.3.7.4, 4.3.7.4.1, 4.3.7.4.2, 4.3.7.4.2.1, 4.3.7.4.2.3, 4.3.7.4.2.4, 5.1.1, 5.1.1.1, 5.2.2, 5.3.2.1, 5.3.9, 5.5.1.2.5 3GPP TS 24.301 v10.15.0: Sections 5.3.9, 5.5.1.2.5, 6.3.5, 8.2.3, 8.2.3.1, 8.2.3.3; Table 8.2.3.1	ISLD-201304-010	19 Feb 2009		
		EP 2250835		15, 16, 29	3GPP TS 22.368 v10.5.0: Annex A (informative) 3GPP TS 23.003 v10.10.0: Section 2.1 3GPP TS 23.060 v10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 5.3.6.4, 6.5.0, 14.1, 14.2 3GPP TS 24.008 v10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2; Table: 9.4.4	ISLD-201304-010	19 Feb 2009		
			CN ZL200980106811.7						19 Feb 2009
			CN ZL201310055246.4						19 Feb 2009
			CN ZL201310055256.8						19 Feb 2009
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			DE 602009013108.7						19 Feb 2009
			EP 2250835 (AT)						19 Feb 2009
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			EP 2250835 (FI)						19 Feb 2009
			EP 2250835 (FR)						19 Feb 2009
			EP 2250835 (GB)						19 Feb 2009
			EP 2250835 (IE)						19 Feb 2009
			EP 2250835 (IS)						19 Feb 2009
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			EP 2250835 (PL)						19 Feb 2009
			EP 2250835 (SE)						19 Feb 2009
			EP 2337403 (FR)						19 Feb 2009
			EP 2337403 (GB)						19 Feb 2009
			EP 2337403 (NL)						19 Feb 2009
			EP 2337403 (SE)						19 Feb 2009
			ES 2376616						19 Feb 2009
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	JP 5926433						19 Feb 2009		

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LTE-021	KPN		KR 10-1231986				19 Feb 2009	
			US 9247426				19 Feb 2009	
			US 9253637				19 Feb 2009	
			US 9781743				19 Feb 2009	
LTE-022	KPN	EP 0831613		1	3GPP TR 21.905 V11.3.0: Section 3 (0-9) ETSI TS 136 212 V8.8.0: 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 Nov 1996	
			DE 69629564.4					21 Nov 1996
			EP 0831613 (BE)					21 Nov 1996
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ES 2204993					21 Nov 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, 5.1.3-3, 5.1.3.2, 5.1.3.2.1, Figure 5.1.3-2, 5.1.3.2.3,	ISLD-201202-010	24 Jun 1996	
LTE-024	KPN	EP 2299649		1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 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 Sep 2010	
			CN ZL201010535276.1					17 Sep 2010
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			EP 2299649 (IT)					16 Sep 2010
			EP 2299649 (NL)					16 Sep 2010
			EP 2299649 (PL)					16 Sep 2010
			EP 2299649 (SE)					16 Sep 2010
			ES 2299649					16 Sep 2010
			JP 5237340					16 Sep 2010
			US 8601141					16 Sep 2010
LTE-025	TNO	EP 2073551		1	3GPP TS 26.247 V11.1.0: Sections 2, 5.1, 5.3, 7.1, 7.2, 8.1, 8.4.1 and 8.4.4.1; Figures 3, 7-1 and 7-2	ISLD-201304-016 ISLD-201304-020	20 Dec 2007	
			DE 602007012916.8					20 Dec 2007
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			EP 2073551 (IT)					20 Dec 2007

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LTE-025	TNO		EP 2073551 (NL)				20 Dec 2007
			EP 2073551 (SE)				20 Dec 2007
			ES 2363119				20 Dec 2007
LTE-026	KPN	US 8549151		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 Dec 2008
		JP 4987126		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 Dec 2008
		CN ZL200880121914.6		1	3GPP TS26.237 V10.8.0, Sections 4.3, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.2, 21, 21.1 and 21.1.1, Figures 3, 4, 7, 30 and 46 3GPP TS26.114 V10.8.0, sections 4.1, 6, 6.1, 6.2 and 6.2.1 and Figure 4.1	ISLD-201401-007	22 Dec 2008
			HK 1149861 IN 273904				
LTE-027	KPN	EP 2567564		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 B.1.14	ISLD-201505-009	04 May 2011
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			DE 602011005344.2				04 May 2011
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			EP 2567564 (GB)				04 May 2011
			EP 2567564 (NL)				04 May 2011
			EP 2567564 (SE)				04 May 2011
			JP 5969983				04 May 2011
			US 9210590 US 9462544				04 May 2011 04 May 2011
LTE-028	KPN	US 8626175		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 Dec 2010
		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 Dec 2010
		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 Dec 2010

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LTE-028	KPN		CN ZL201080058898.8				16 Dec 2010
			DE 602010016869.7				16 Dec 2010
			EP 2517495 (FI)				16 Dec 2010
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			ES 2491641				16 Dec 2010
LTE-029	3G LICENSING	US 7313518		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 Nov 2001
			BR PI0116844				19 Nov 2001
		CA 2436318				19 Nov 2001	
		CN ZL01822358.3				19 Nov 2001	
		DE 60142490.5				19 Nov 2001	
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		HK 1057639				19 Nov 2001	
		JP 4210521				19 Nov 2001	
		KR 10-0549133				19 Nov 2001	
		MX 243041				19 Nov 2001	
LTE-030	3G LICENSING	JP 4933528		1	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 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 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 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	ISLD-201211-004 ISLD-201211-006 ISLD-201211-007 ISLD-201211-008	22 Mar 2006

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LTE-030	3G LICENSING	EP 1869840	1	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 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 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 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	ISLD-201211-004ISLD	22 Mar 2006	
		CN ZL200680017858.2	1	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 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 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 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	ISLD-201211-004 ISLD-201211-006 ISLD-201211-007 ISLD-201211-008	22 Mar 2006	
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ES 2346469					22 Mar 2006		
US 8570936					22 Mar 2006		
LTE-031	3G LICENSING	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 Jan 2007	
		US 8194608	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-201211-009ISLD	15 Jan 2007	
		CN ZL200780009678.4	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 Jan 2007	

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LTE-031	3G LICENSING				DE 602007039854.1			15 Jan 2007	
					EP 1974576 (FR)			15 Jan 2007	
					EP 1974576 (GB)			15 Jan 2007	
					EP 1974576 (IT)			15 Jan 2007	
					EP 2958292 (DE)			15 Jan 2007	
					EP 2958292 (FR)			15 Jan 2007	
					EP 2958292 (GB)			15 Jan 2007	
					EP 2958292 (IT)			15 Jan 2007	
					EP 2958292 (NL)			15 Jan 2007	
					ES 2532612			15 Jan 2007	
			ES 2958292			15 Jan 2007			
			HK 1219367			15 Jan 2007			
LTE-032	3G LICENSING	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 Mar 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 Mar 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 Mar 2006	
		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 Mar 2006	
		CN ZL200680016492.7		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 Mar 2006	
LTE-033	3G LICENSING	US 9001732		1	3GPP TS 23.060 V8.9.0: subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0: 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: subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155	ISLD-201211-013 ISLD-201211-014 ISLD-201211-015		23 Mar 2006	
		US 8064384		1	3GPP TS 23.060 V8.9.0: subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0: 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: subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155	ISLD-201211-013ISLD		23 Mar 2006	
		JP 4970422		1	3GPP TS 23.060 V8.9.0: subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0: 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: subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155	ISLD-201211-013ISLD		23 Mar 2006	
		CN ZL200680017166.8		1	3GPP TS 23.060 V8.9.0: subclauses 4, 9.2.1A, 9.2.2.1; and Figs 63 and 64 3GPP TS 23.401 V8.15.0: 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: subclauses 10.5.6.4; Fig 10.5.137; and Table 10.5.155	ISLD-201211-013 ISLD-201211-014 ISLD-201211-015		23 Mar 2006	
					EP 1861982 (BE)				23 Mar 2006
					EP 1861982 (CH)				23 Mar 2006
					EP 1861982 (DE)				23 Mar 2006
					EP 1861982 (FR)				23 Mar 2006
					EP 1861982 (GB)				23 Mar 2006
					EP 1861982 (IT)				23 Mar 2006
			EP 1861982 (NL)				23 Mar 2006		
			EP 1861982 (PL)				23 Mar 2006		

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LTE-033	3G LICENSING		EP 1861982 (SE)				23 Mar 2006	
			EP 1861982 (TR)				23 Mar 2006	
			ES 1861982				23 Mar 2006	
LTE-034	3G LICENSING	US 8179888		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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: 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 Jul 2005	
		EP 1772030		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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: sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64	ISLD-201308-022ISLD	11 Jul 2005	
		CN ZL200580025881.1		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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: sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64	ISLD-201308-022ISLD	11 Jul 2005	
			DE 602005004291.1					11 Jul 2005
			EP 1772030 (FR)					11 Jul 2005
			EP 1772030 (GB)					11 Jul 2005
			EP 1772030 (IT)					11 Jul 2005
			ES 2299050					11 Jul 2005
			IN 271359					11 Jul 2005
			US 9237058					11 Jul 2005
LTE-035	3G LICENSING	US 7860073		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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: 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 Jun 2005	
		EP 1771978		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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 11b 3GPP TS 23.060 V8.10.0: sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64	ISLD-201308-025ISLD	10 Jun 2005	
		CN ZL200580024907.0		1	3GPP TS 29.060 V8.3.0: section 3.1 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, 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: 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: sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5, figures 63 and 64	ISLD-201308-025ISLD	10 Jun 2005	

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LTE-035	3G LICENSING		DE 602005007906.8				10 Jun 2005	
			EP 1771978 (CH)				10 Jun 2005	
			EP 1771978 (FR)				10 Jun 2005	
			EP 1771978 (GB)				10 Jun 2005	
			EP 1771978 (IE)				10 Jun 2005	
			EP 1771978 (IT)				10 Jun 2005	
			EP 1771978 (LI)				10 Jun 2005	
			EP 1771978 (LU)				10 Jun 2005	
			EP 1771978 (MC)				10 Jun 2005	
			ES 2310358				10 Jun 2005	
			IN 272738				10 Jun 2005	
LTE-036	3G LICENSING	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 63, Figure 64	ISLD-201308-012 ISLD-201308-013 ISLD-201308-014 ISLD-201308-015 ISLD-201308-016	19 Apr 2005	
		CN ZL200580020466.7		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 63, Figure 64			
			DE 602005016662.9					19 Apr 2005
			EP 1741264 (FR)					19 Apr 2005
	EP 1741264 (GB)					19 Apr 2005		
	EP 1741264 (IT)					19 Apr 2005		
	ES 2333801					19 Apr 2005		
	IN 255363					19 Apr 2005		
	JP 4660539					19 Apr 2005		
	US 7907618					19 Apr 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 Sep 2003		
			CN ZL03822788.6					24 Sep 2003	
			EP 1543666 (DE)						24 Sep 2003
			EP 1543666 (FR)						24 Sep 2003
			EP 1543666 (GB)						24 Sep 2003
			EP 1543666 (IT)						24 Sep 2003
			EP 1667384 (DE)						24 Sep 2003
			EP 1667384 (FR)						24 Sep 2003
			EP 1667384 (GB)						24 Sep 2003
			EP 1667384 (IT)						24 Sep 2003
			ES 1543666						24 Sep 2003
			ES 1667384						24 Sep 2003
			JP 4426451						24 Sep 2003
			JP 4834133						24 Sep 2003
	US 8611296						24 Sep 2003		
	US 9949238						24 Sep 2003		
LTE-038	3G LICENSING	US 8406198		1	3GPP TS 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	16 Apr 2004		
		US 8130725		1	3GPP TS 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	16 Apr 2004		
		US 7839825		1	3GPP TS 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	16 Apr 2004		
		JP 4579905		1	3GPP TS 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	16 Apr 2004		
		EP 1614270		1	3GPP TS 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	16 Apr 2004		
		CN ZL200480010345.X		1	3GPP TS 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	16 Apr 2004		
			CN ZL201210055880.3						16 Apr 2004
			DE 602004027718.5						16 Apr 2004
			EP 1614270 (CH)						16 Apr 2004
			EP 1614270 (FR)						16 Apr 2004
			EP 1614270 (GB)						16 Apr 2004
			EP 1614270 (IE)						16 Apr 2004
			EP 1614270 (IT)						16 Apr 2004
			EP 1614270 (LI)						16 Apr 2004
			EP 1614270 (LU)						16 Apr 2004
			EP 1614270 (MC)						16 Apr 2004
			EP 1614270 (NL)						16 Apr 2004
	EP 1614270 (PL)						16 Apr 2004		
	EP 1614270 (TR)						16 Apr 2004		
	ES 2347652						16 Apr 2004		

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LTE-039	3G LICENSING	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 Mar 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-201109-013ISLD	10 Mar 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-201109-013ISLD	10 Mar 2004
		CN ZL200480006637.6		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 Mar 2004
			DE 602004023182.7 EP 1602215 (FR) EP 1602215 (GB) KR 10-1007005 US 7640017 US 8023946				
LTE-040	3G LICENSING	US 7860037		1	3GPP TS 23.060 V8.13.0: 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: 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: 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 May 2004

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LTE-040	3G LICENSING	JP 4511529		1	3GPP TS 23.060 V8.13.0: 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: 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: 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-201211-016ISLD	17 May 2004
		IN 228935		1	3GPP TS 23.060 V8.13.0: 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: 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: 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-201211-016ISLD	17 May 2004
		EP 1636961		1	3GPP TS 23.060 V8.13.0: 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: 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: 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 May 2004
		BR PI0411577					17 May 2004
		CN ZL200480016891.4					17 May 2004
		DE 602004003146.1					17 May 2004
		EP 1636961 (CH)					17 May 2004
		EP 1636961 (FR)					17 May 2004
		EP 1636961 (GB)					17 May 2004
		EP 1636961 (IT)					17 May 2004
EP 1636961 (LI)					17 May 2004		
EP 1636961 (SE)					17 May 2004		
ES 2276301					17 May 2004		
LTE-041	3G LICENSING	EP 1838044		20	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, 6.1, 6.3.1-1 and 6.3.2.2-1 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 3GPP TS 23.107 V8.2.0: Section 6.3	ISLD-201308-032 ISLD-201308-033 ISLD-201308-034	24 Mar 2006
		CN ZL200780010663.X		20	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, 6.1, 6.3.1-1 and 6.3.2.2-1 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 3GPP TS 23.107 V8.2.0: Section 6.3	ISLD-201308-032 ISLD-201308-033 ISLD-201308-034	24 Mar 2006
		DE 602006027416.5					24 Mar 2006
		EP 1838044 (FR)					24 Mar 2006
		EP 1838044 (GB)					24 Mar 2006

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LTE-041	3G LICENSING		EP 1838044 (IT)				24 Mar 2006
			ES 2381853				24 Mar 2006
			JP 5809648				24 Mar 2006
			JP 6063998				24 Mar 2006
			US 9413681				24 Mar 2006
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 Mar 2007
			CN ZL200780010562.2				19 Mar 2007
		EP 1999907 (DE)				19 Mar 2007	
		EP 1999907 (FR)				19 Mar 2007	
		EP 1999907 (GB)				19 Mar 2007	
		EP 1999907 (IT)				19 Mar 2007	
		EP 1999907 (NL)				19 Mar 2007	
		ES 1999907				19 Mar 2007	
		US 9166824				19 Mar 2007	
		LTE-043	3G LICENSING	US 8526983		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
US 8364180					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-201109-011ISLD
JP 4702853				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-201109-011ISLD	07 Oct 2004
IN 250080				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-201109-011ISLD	07 Oct 2004
EP 1671501				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-201109-011ISLD	07 Oct 2004
CN ZL200480029734.7				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	07 Oct 2004
DE 602004015819.4						07 Oct 2004	
EP 1671501 (FR)						07 Oct 2004	
EP 1671501 (GB)						07 Oct 2004	
EP 1671501 (IT)						07 Oct 2004	
ES 2311849				07 Oct 2004			
LTE-044	3G LICENSING	US 6856818		18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 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; 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 Jan 1998

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LTE-044	3G LICENSING	JP 4357596	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29 ; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 3GPP 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; Figure 8.2, 8.4 and K.1 ; Table 8.1 and 11.11	ISLD-201011-001ISLD	19 Jan 1998	
		IN 208486	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 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; Figure 8.2, 8.4 and K.1 ; Tables 8.1 and 11.11	ISLD-201011-001ISLD	19 Jan 1998	
		EP 0960542	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1	ISLD-201011-001ISLD	19 Jan 1998	
		CN ZL98802464.0	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 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; Figure 8.2, 8.4 and K.1 ; Tables 8.1 and 11.11	ISLD-201011-001ISLD	19 Jan 1998	
		CA 2280150	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 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; Figure 8.2, 8.4 and K.1 ; Tables 8.1 and 11.11	ISLD-201011-001ISLD	19 Jan 1998	
		AU 729163	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1 and 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1 and 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 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; 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 Jan 1998	
			DE 69832591.5				19 Jan 1998
			EP 0960542 (FR)				19 Jan 1998
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	EP 0960542 (IT)				19 Jan 1998		
	ES 2253808				19 Jan 1998		
LTE-045	3G LICENSING	US 7102663	1	3GPP TS 23.060 V8.9.0 Sections 5.1, Figure 1, 5.3.8 and Figure 72b. 3GPP TS 23.228 V8.12.0 Sections 4.0, 4.16.1, 4.16.2, 5.4.4. Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1, Figure E 3GPP TS 23.401 V8.17.0 Sections 4.7.1, 4.7.2.2, and Figure 4.7.2.2-1	ISLD-201308-0029 ISLD-201308-0030 ISLD-201308-0031	16 Oct 2001	
		CN ZL200510097414.1	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	ISLD-201308-0029ISLD	16 Oct 2001	

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LTE-045	3G LICENSING	CN ZL01818343.3		1	3GPP TS 23.060 V8.9.0 Sections 5.1, Figure 1, 5.3.8 and Figure 72b. 3GPP TS 23.228 V8.12.0 Sections 4.0, 4.16.1, 4.16.2, 5.4.4. Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1, Figure E 3GPP TS 23.401 V8.17.0 Sections 4.7.1, 4.7.2.2, and Figure 4.7.2.2-1	ISLD-201308-0029 ISLD-201308-0030 ISLD-201308-0031	16 Oct 2001	
			DE 60149701.5				16 Oct 2001	
			EP 1921855 (FR)				16 Oct 2001	
			EP 1921855 (GB)				16 Oct 2001	
			EP 1921855 (IE)				16 Oct 2001	
			EP 1921855 (IT)				16 Oct 2001	
			EP 1921855 (NL)				16 Oct 2001	
			EP 1921855 (TR)				16 Oct 2001	
			ES 2564177				16 Oct 2001	
US 7995091				16 Oct 2001				
LTE-049	SISVEL	EP 0852885		12	3GPP TS23.401 V8.18.0: 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 Sep 1996	
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			DE 69635453.5				25 Sep 1996	
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			EP 0852885 (IT)				25 Sep 1996	
			EP 0852885 (NL)				25 Sep 1996	
			ES 2250997				25 Sep 1996	
			GR 3056241				25 Sep 1996	
			HK 1015598				25 Sep 1996	
			NO 325994				25 Sep 1996	
NZ 318789				25 Sep 1996				
US 6646998				25 Sep 1996				
LTE-050	SISVEL	US 7957736		9	3GPP TS 23.003 v 8.17.0 : Sections 2.8.1 3GPP TS 23.401 v 8.18.0: Sections 5.3.2.1 3GPP TS 24.301 v 8.10.0: Sections 5.4.1.2, 8.2.4.1; Table 8.2.4.1	ISLD-201305-003	05 Oct 1999	
			EP 1119997		15	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8, 2.8.1 3GPP TS 23.401 V8.18.0: Section 5.3.7; Figure 5.3.7-1	ISLD-201305-003	05 Oct 1999
				CN ZL99811826.5				05 Oct 1999
		DE 69924130.8					05 Oct 1999	
		EP 1119997 (AT)					05 Oct 1999	
		EP 1119997 (BE)					05 Oct 1999	
		EP 1119997 (FR)					05 Oct 1999	
		EP 1119997 (GB)				05 Oct 1999		
		EP 1119997 (IT)				05 Oct 1999		

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LTE-050	SISVEL		EP 1119997 (NL)				05 Oct 1999	
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			EP 1119997 (SE)				05 Oct 1999	
			ES 2237154				05 Oct 1999	
			FI 106288				06 Oct 1998	
			JP 4226786				05 Oct 1999	
LTE-051	SISVEL	US 7580714		1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1, 5.3.5.1; Figures 5.3.2.1-1, 5.3.5.1-1	ISLD-200812-008	13 Oct 2000	
		EP 2139272		1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1; Table 5.3.2.1-1	ISLD-200812-008	13 Oct 2000	
			DE 60048549.8					13 Oct 2000
			EP 2139272 (AT)					13 Oct 2000
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			EP 2139272 (IE)					13 Oct 2000
			EP 2139272 (IT)					13 Oct 2000
			EP 2139272 (LI)					13 Oct 2000
			EP 2139272 (LU)					13 Oct 2000
			EP 2139272 (MC)					13 Oct 2000
			EP 2139272 (NL)					13 Oct 2000
			EP 2139272 (PT)					13 Oct 2000
			EP 2139272 (SE)					13 Oct 2000
			ES 2482100					13 Oct 2000
			GR 3083988					13 Oct 2000
	HK 1132411					13 Oct 2000		
	US 7035621					13 Oct 2000		
	US 7979070					13 Oct 2000		
	US 9008615					13 Oct 2000		
LTE-052	SISVEL	US 7283499		1	3GPP TS 36.201 V8.3.0: Sections 4.1.2, 4.2.1 3GPP TS 36.212 V8.8.0: Sections 4.2, 5, 5.3.2; Figure 5.3.2-1 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Table: 7.2.3-1	ISLD-201305-003	15 Oct 2004	
		EP 1807956		1	3GPP TS 36.201 V8.3.0: Sections 4.2.1 3GPP TS 36.212 V8.8.0: 5.2, 5.2.1, 5.2.2, 5.2.2.6 3GPP TS 36.213 V8.8.0: 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 Oct 2005	
			DE 602005043114.4					13 Oct 2005
			EP 1807956 (AT)					13 Oct 2005
			EP 1807956 (BE)					13 Oct 2005
			EP 1807956 (CH)					13 Oct 2005
			EP 1807956 (CZ)					13 Oct 2005
			EP 1807956 (DK)					13 Oct 2005
			EP 1807956 (FI)					13 Oct 2005
			EP 1807956 (FR)					13 Oct 2005
	EP 1807956 (GB)					13 Oct 2005		

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SISVEL

LTE-052	SISVEL		EP 1807956 (HU)				13 Oct 2005
			EP 1807956 (IE)				13 Oct 2005
			EP 1807956 (IT)				13 Oct 2005
			EP 1807956 (LI)				13 Oct 2005
			EP 1807956 (LU)				13 Oct 2005
			EP 1807956 (MC)				13 Oct 2005
			EP 1807956 (NL)				13 Oct 2005
			EP 1807956 (PL)				13 Oct 2005
			EP 1807956 (PT)				13 Oct 2005
			EP 1807956 (RO)				13 Oct 2005
			EP 1807956 (SE)				13 Oct 2005
			EP 1807956 (SI)				13 Oct 2005
			EP 1807956 (SK)				13 Oct 2005
			EP 1807956 (TR)				13 Oct 2005
			ES 2471945				13 Oct 2005
			GR 3083727				13 Oct 2005
	US 8031678				13 Oct 2005		
LTE-054	SISVEL	US 7599384		17	3GPP TS 24.301 V8.10.0: 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	ISLD-201305-003	31 Aug 1998
		JP 4002731		1	3GPP TS 23.401 V8.18.0: Sections 4.2.1 3GPP TS 24.301 V8.10.0: Sections 6.4.2.2, 6.4.2.3, 6.4.3.2, 6.4.3.3, 8.3.18.1, 9.3.2, 9.9.4.3	ISLD-201305-003	31 Aug 1998
		EP 1051870		18	3GPP TS 24.301 V8.10.0: 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		31 Aug 1998
			CA 2318480				31 Aug 1998
			CN ZL200610005844.0				31 Aug 1998
			DE 69838854.2				31 Aug 1998
			EP 1051870 (FR)				29 Jan 1998
			EP 1051870 (GB)				29 Jan 1998
			EP 1051870 (IT)				29 Jan 1998
			EP 1051870 (NL)				31 Aug 1998
	ES 2297893				31 Aug 1998		
	FI 106172				29 Jan 1998		
	US 6826406				31 Aug 1998		
LTE-057	SISVEL	US 7894443		16	3GPP TS 36.322 v10.0.0: 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 Aug 2006
			CN ZL200680038765.8				22 Aug 2006
			DE 602006047103.3				22 Aug 2006
			EP 1925142 (AT)				22 Aug 2006
			EP 1925142 (BE)				22 Aug 2006
			EP 1925142 (CH)				22 Aug 2006
			EP 1925142 (CZ)				22 Aug 2006
			EP 1925142 (FR)				22 Aug 2006
			EP 1925142 (GB)				22 Aug 2006
			EP 1925142 (IE)				22 Aug 2006

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<b>LTE-057</b>	<b>SISVEL</b>		EP 1925142 (IT)				22 Aug 2006
			EP 1925142 (LU)				22 Aug 2006
			EP 1925142 (NL)				22 Aug 2006
			EP 1925142 (PL)				22 Aug 2006
			EP 1925142 (PT)				22 Aug 2006
			EP 1925142 (RO)				22 Aug 2006
			EP 1925142 (SE)				22 Aug 2006
			EP 1925142 (TR)				22 Aug 2006
			ES 2560088				22 Aug 2006
			JP 4875084				22 Aug 2006
	KR 10-0950843				22 Aug 2006		
	PK 140978				22 Aug 2006		
			PK 7894443				22 Aug 2006
<b>LTE-059</b>	<b>3G LICENSING</b>	EP 1869841		1	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 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 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; Annex E: E.0; E.5 3GPP TS 23.401 V8.8.0: 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: 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: 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 29.060 V9.3.0: section 7.7.36	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 Mar 2006
				DE 602006011142.8			22 Mar 2006
				EP 1869841 (FR)			22 Mar 2006
				EP 1869841 (GB)			22 Mar 2006
<b>LTE-063</b>	<b>3G LICENSING</b>	US 7933564		1	3GPP TS 36.211 V10.7.0: 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		02 Dec 2004
			EP 1690361		12	3GPP TS 36.211 v10.7.0: Sections 6.3, 6.3.3, 6.3.4.3	ISLD-201607-001
			DE 602004042246.0				02 Dec 2004
			EP 1690361 (FR)				02 Dec 2004
			EP 1690361 (GB)				02 Dec 2004
			JP 4845738				02 Dec 2004
	KR 10-1092537				02 Dec 2004		
<b>LTE-064</b>	<b>KPN</b>	US 9667669		1, 15, 16	3GPP TS 24.371 V12.6.0: Sections 1, 2, 4, 4.1, 5D.1, 5D.2, 7.1 3GPP TS 23.228 V12.0.0: Sections 4.6.1; Annex U.1.2, U.1.3.1U.1.3.3, U.2.2		19 Jan 2010
		JP 5436577		17	3GPP TS 23.228 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 Jan 2010
			CN ZL201080013541.8				19 Jan 2010
			KR 10-1287322				19 Jan 2010

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LTE-065	3G LICENSING	EP 2597926		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		09 Oct 2008	
			DE 602008043679.9					09 Oct 2008
			EP 2597926 (AT)					09 Oct 2008
			EP 2597926 (BE)					09 Oct 2008
			EP 2597926 (CH)					09 Oct 2008
			EP 2597926 (FR)					09 Oct 2008
			EP 2597926 (GB)					09 Oct 2008
			EP 2597926 (IE)					09 Oct 2008
			EP 2597926 (IT)					09 Oct 2008
			EP 2597926 (NL)					09 Oct 2008
			EP 2597926 (PL)					09 Oct 2008
			EP 2597926 (PT)					09 Oct 2008
			EP 2597926 (RO)					09 Oct 2008
			EP 2597926 (SE)					09 Oct 2008
			EP 2597926 (TR)					09 Oct 2008
		ES 2579290					09 Oct 2008	
		US 8781469					09 Oct 2008	
		US 9319976					09 Oct 2008	
LTE-071	KPN	EP 0785692		1	3GPP TS 23.261 V10.2.0: Sections 5.3.1, 5.4.1 and 5.4.2; Figure 5.4.2-1 3GPP TS 24.312 V10.7.0: Section 4.1.1 3GPP TS 36.304 V10.8.0: Section 7.1 3GPP TS 23.401 v10.13.0: Section 5.13	ISLD-201507-025	23 Jul 1997	
			EP 0785692 (DE)			ISLD-201507-025	23 Jul 1997	
			EP 0785692 (FR)			ISLD-201507-025	23 Jul 1997	
			EP 0785692 (GB)			ISLD-201507-025	23 Jul 1997	
			EP 0785692 (NL)			ISLD-201507-025	23 Jul 1997	
			EP 0785692 (SE)			ISLD-201507-025	23 Jul 1997	
			ES 0785692			ISLD-201507-025	23 Jul 1997	
			NL 1001561			ISLD-201507-025	23 Jul 1997	
LTE-072	ORANGE	EP 1362447		1	3GPP TS 36.300 V11.10.0: Sections 3, 3.2, 5, 5.1, 5.1.5 3GPP TS 36.212 V10.8.0: Sections 4, 4.2, 5, 5.1, 5.1.3, 5.1.4, 5.1.4.1, 5.1.5, 5.3, 5.3.2, 5.3.2.3, 5.3.2.4, 5.3.2.5 3GPP TS 36.211 V10.7.0: Sections 3, 3.1, 6, 6.1, 6.1.1, 6.2, 6.2.1, 6.2.2, 6.3, 6.3.1, 6.3.2, 6.3.3, 6.3.3.2, 6.3.4, 6.3.4.2, 6.3.4.2.1, 6.3.4.2.2, 6.3.4.2.3, 6.3.5, 6.4 3GPP TS 36.201 V10.0.0: Sections 4, 4.2, 4.2.3		14 Feb 2002	
			CN ZL02806429.1				14 Feb 2002	
			DE 60219435.0				14 Feb 2002	
			EP 1362447 (CH)				14 Feb 2002	
			EP 1362447 (GB)				14 Feb 2002	
			EP 1362447 (IT)				14 Feb 2002	
			EP 1362447 (LU)				14 Feb 2002	
			EP 1362447 (MC)				14 Feb 2002	
			EP1362447 (BE)				14 Feb 2002	

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SISVEL

LTE-072	ORANGE		EP1362447 (FR)			14 Feb 2002			
			EP1362447 (LI)			14 Feb 2002			
			ES 2284822			14 Feb 2002			
			JP 4184798			14 Feb 2002			
			KR 10-0874059			14 Feb 2002			
			US 7170948			14 Feb 2002			
LTE-073	MELCO	JP 4814388			3GPP TS 36.212	23 Jul 2010			
LTE-074	MELCO		CN ZL200580049106.X			14 Mar 2005			
			JP 4527149			14 Mar 2005			
			US 7937084			14 Mar 2005			
LTE-075	MELCO	JP 4810578			3GPP TS 36.211 3GPP TS 36.212 3GPP TS 36.213 3GPP TS 36.321	09 Jan 2009			
			CN ZL200480021840.0			29 Jul 2004			
			CN ZL200910175853.8			23 Sep 2009			
			CN ZL200910175854.2			23 Sep 2009			
			EP 2194660 (DE)			24 Mar 2010			
			EP 2194660 (FR)			24 Mar 2010			
			KR 10-0926289			29 Jul 2004			
			KR 10-0951330			01 Apr 2009			
			KR 10-0951332			01 Apr 2009			
			US 8125963			29 Jul 2004			
			US 8385295			09 Feb 2012			
			LTE-076	MELCO		JP 4097129			08 Aug 2002
						JP 4772838			01 Aug 2008
JP 5037305						09 Nov 2007			
LTE-077	MELCO	US 9635656		3	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.2 3GPP TS 36.201 V9.0.0: Section 5.5 3GPP TS 36.321 V9.1.0: Section 5.4.4	27 Dec 2006			
			CN ZL200680049892.8			27 Dec 2006			
			IN 263874			27 Dec 2006			
			JP 4819129			27 Dec 2006			
			JP 5160667			02 Jun 2011			
			US 9019983			27 Dec 2006			
LTE-078	MELCO		CN ZL200780053418.7			27 Dec 2007			
			EP 3125451 (BE)			16 Sep 2016			
			EP 3125451 (CH)			16 Sep 2016			
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			EP 3125451 (FR)			16 Sep 2016			

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SISVEL

LTE-078	MELCO		EP 3125451 (GB)			16 Sep 2016
			EP 3125451 (HU)			16 Sep 2016
			EP 3125451 (IE)			16 Sep 2016
			EP 3125451 (LI)			16 Sep 2016
			EP 3125451 (LU)			16 Sep 2016
			EP 3125451 (MC)			16 Sep 2016
			EP 3125451 (MT)			16 Sep 2016
			EP 3125451 (PT)			16 Sep 2016
			EP 3125451 (RO)			16 Sep 2016
			EP 3125451 (SI)			16 Sep 2016
			EP 3125451 (TR)			16 Sep 2016
			JP 4948601			27 Dec 2007
			JP 5111568			29 Jun 2010
			US 8249635			27 Dec 2007
	US 8412248			17 May 2012		
LTE-079	MELCO	JP 4841630		2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	30 Jul 2014
		CN ZL201210065257.6		2	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.3, 7.3, 10.1	05 Mar 2012
			EP 2031775 (DE)			27 Apr 2007
			EP 2031775 (FR)			27 Apr 2007
			EP 2031775 (GB)			27 Apr 2007
			IN 262788			27 Apr 2007
			JP 5289531			04 Oct 2011
			KR 10-1213062			27 Apr 2007
			US 8149749			27 Apr 2007
LTE-080	MELCO	JP 4637848			3GPP TS 36.321 V10.4.0	08 Sep 2004
			CN ZL201210178008.8			29 May 2012
			JP 5048094			12 Mar 2010
			US 8149765			08 Sep 2004
			US 8675546			07 Feb 2012
LTE-081	MELCO		JP 4902592			09 May 2008
			JP 5037706			11 Mar 2011
LTE-082	MELCO	US 9113445		1	3GPP TS 36.300 V10.6.0: Sections 6, 6.1, 6.1.2, 11.3; Figure 6-2 3GPP TS 36.306 V10.4.0: Sections 4, 4.1, 4.2.5; Table 4.1-3 3GPP TS 36.321 V10.4.0: Sections 5.4.3.1, 5.4.3.2, 5.4.5, 6.1.2, 6.1.3.1; Figure 6.1.2-3; Tables 6.1.3.1-1, 6.1.3.1-2 3GPP TS 36.322 V10.0.0: Sections 4.2.1, 4.2.1.1.1, 4.2.1.2.1, 4.2.1.3.1, 4.5; Figures 4.2.1-1, 4.2.1.1.1-1, 4.2.1.2.1-1, 4.2.1.3.1-1 3GPP TS 36.331 V10.6.0: Sections 5.6.3.1, 5.6.3.3, 6.3.6; Figure 5.6.3.1-1	30 Apr 2004
			CN ZL200480042891.1			30 Apr 2004
			CN ZL201010534929.4			25 Oct 2010
			CN ZL201010534930.7			25 Oct 2010
			JP 4510006			30 Apr 2004
			JP 4763085			20 Jul 2010

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SISVEL

LTE-082	MELCO		JP 5026577			02 Dec 2010
			JP 5220903			02 Aug 2011
			US 8583156			30 Apr 2004
			0			30 Apr 2004
LTE-083	MELCO	JP 4698734			3GPP TS 36.300 V8.7.0 3GPP TS 36.300 V8.4.0	01 Feb 2008
			AU 2008212453			01 Feb 2008
			AU 2011201566			06 Apr 2011
			AU 2014204428			15 Jul 2014
			CN ZL200880000038.1			01 Feb 2008
			EP 2117243			01 Feb 2008
			IN 268040			01 Feb 2008
			JP 5550697			12 Oct 2012
			KR 10-1018316			01 Feb 2008
			KR 10-1359411			11 Aug 2010
			KR 10-1473229			26 Aug 2013
			KR 10-1796712			16 May 2014
			RU 2432716			01 Feb 2008
			RU 5295309			22 Jun 2011
			US 9161181			01 Feb 2008
LTE-084	MELCO	US 9713068		3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1, ; Figure 4-1	26 Oct 2009
		JP 5538802		3	3GPP TS 23.401 V11.0.0 Section 4.3.13, 5.3.3, 5.7.2	02 Oct 2009
			AU 2009312285			26 Oct 2009
			AU 2014201266			07 Mar 2014
			AU 2015252029			03 Nov 2015
			CN ZL200980143951.1			26 Oct 2009
			EP 2346286 (BE)			26 Oct 2009
			EP 2346286 (CH)			26 Oct 2009
			EP 2346286 (CY)			26 Oct 2009
			EP 2346286 (DE)			26 Oct 2009
			EP 2346286 (FR)			26 Oct 2009
			EP 2346286 (GB)			26 Oct 2009
			EP 2346286 (HU)			26 Oct 2009
			EP 2346286 (IE)			26 Oct 2009
			EP 2346286 (LI)			26 Oct 2009
			EP 2346286 (LU)			26 Oct 2009
			EP 2346286 (MK)			26 Oct 2009
			EP 2346286 (MT)			26 Oct 2009
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			EP 2346286 (TR)			26 Oct 2009
	JP 5726351			30 Apr 2014		
	KR 10-1279523			26 Oct 2009		

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SISVEL

LTE-084	MELCO		RU 2461149			26 Oct 2009
			RU 2511040			29 May 2012
			RU 2554533			29 Jan 2014
			RU 2599542			06 May 2015
			US 9877268			23 Jul 2015
			IN 301593			26 Oct 2009
LTE-085	MELCO	JP 5683474		3GPP TS 36.300 V9.3.0		15 Sep 2010
			CN ZL201080044486.9			15 Sep 2010
			JP 5905533			11 Jul 2014
			US 8626163			15 Sep 2010
			US 9615310			25 Nov 2013
LTE-086	MELCO	JP 4413966		3GPP TS 36.321 V9.2.0		20 Apr 2005
			CN ZL200580049478.2			20 Apr 2005
			EP 1873925			20 Apr 2005
			EP 1873925 (DE)			20 Apr 2005
			EP 1873925 (FR)			20 Apr 2005
			EP 1873925 (GB)			20 Apr 2005
			JP 5546379			16 Jul 2010
			JP 5788053			11 Apr 2014
			US 8717912			20 Apr 2005
			LTE-087	MELCO		CN ZL200780030693.7
EP 2068578 (DE)						09 Aug 2007
EP 2068578 (FR)						09 Aug 2007
EP 2068578 (GB)						09 Aug 2007
JP 4776693						09 Aug 2007
US 8165082						09 Aug 2007
US 8942198						06 Apr 2012
US 9277561						11 Dec 2014
LTE-088	MELCO	JP 5139543		3GPP TS 36.401 V9.2.1		28 Jan 2010
			CN ZL201080006364.0			28 Jan 2010
			JP 5496311			14 Nov 2012
			JP 5744266			04 Mar 2014
			US 9072104			28 Jan 2010
			US 9357545			08 May 2015
LTE-089	MELCO	JP 4812323		3GPP TS 36.211 V8.6.0 3GPP TS 36.213 V8.6.0 3GPP TS 36.212 V8.7.0		08 Apr 2005
			CN ZL200510063850.7			07 Apr 2005
			EP 1585232 (DE)			08 Apr 2004
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		EP 1585232 (GB)			08 Apr 2004	
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LTE-089	MELCO		JP 5318038			30 Jun 2010
			US 7756210			29 Mar 2005
			US 8265187			07 Apr 2010
LTE-090	MELCO	JP 4963927			3GPP TS 36.300 3GPP TS 36.423 3GPP TS 22.011	13 Oct 2006
			BG 2247135			17 Aug 2010
			BG 2247136			17 Aug 2010
			CN ZL200610163544.5			12 Oct 2006
			EP 1775981 (DE)			13 Oct 2005
			EP 1775981 (FR)			13 Oct 2005
			EP 1775981 (GB)			13 Oct 2005
			EP 2247135 (DE)			17 Aug 2010
			EP 2247135 (FR)			17 Aug 2010
			EP 2247135 (GB)			17 Aug 2010
			EP 2247135 (IS)			17 Aug 2010
			EP 2247136 (DE)			17 Aug 2010
			EP 2247136 (FR)			17 Aug 2010
			EP 2247136 (GB)			17 Aug 2010
			EP 2247136 (IS)			17 Aug 2010
			JP 5535813			29 Jul 2010
			JP 5647276			25 Jan 2013
	US 8073445			21 Sep 2006		
	US 8095136			07 Sep 2010		
	US 8396478			10 Nov 2011		
LTE-091	MELCO	EP 2134006		1	3GPP TS 36.211 V8.6.0 (2009-03): Sections 3.1, 4.2, 5.2.3, 5.6, 6.2.3, 6.12, 8.1; Figures 4.2-1, 8.1-1; Tables 4.2-1, 4.2-2, 5.2.3-1, 5.6-1, 6.2.3-1, 6.12-1 3GPP TS 36.213 V8.6.0 (2009-03): Sections 4.2.3 3GPP TS 36.321 V8.5.0 (2009-03): Sections 6.2.3 3GPP TS 36.300 V8.8.0 (2009-03): Sections 5.2.7.3	23 Jun 2009
			EP 2134006 (DE)			23 Jun 2009
			EP 2134006 (FR)			23 Jun 2009
			EP 2134006 (GB)			23 Jun 2009
			JP 4852615			28 Sep 2006
			KR 10-1254268			28 Sep 2006
			US 8068444			28 Sep 2006
LTE-092	MELCO		CN ZL200710101661.3			19 Mar 2007
			EP 2268091 (BE)			17 Sep 2010
			EP 2268091 (CH)			17 Sep 2010
			EP 2268091 (CY)			17 Sep 2010
			EP 2268091 (DE)			17 Sep 2010
			EP 2268091 (FR)			17 Sep 2010
			EP 2268091 (GB)			17 Sep 2010
			EP 2268091 (HU)			17 Sep 2010

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SISVEL

LTE-092	MELCO		EP 2268091 (IE)			17 Sep 2010
			EP 2268091 (LI)			17 Sep 2010
			EP 2268091 (LU)			17 Sep 2010
			EP 2268091 (MC)			17 Sep 2010
			EP 2268091 (PT)			17 Sep 2010
			EP 2268091 (SI)			17 Sep 2010
			EP 2268091 (TR)			17 Sep 2010
			EP 2271161 (BE)			17 Sep 2010
			EP 2271161 (CH)			17 Sep 2010
			EP 2271161 (CY)			17 Sep 2010
			EP 2271161 (CZ)			17 Sep 2010
			EP 2271161 (DE)			17 Sep 2010
			EP 2271161 (DK)			17 Sep 2010
			EP 2271161 (EE)			17 Sep 2010
			EP 2271161 (FR)			17 Sep 2010
			EP 2271161 (GB)			17 Sep 2010
			EP 2271161 (HU)			17 Sep 2010
			EP 2271161 (IE)			17 Sep 2010
			EP 2271161 (IT)			17 Sep 2010
			EP 2271161 (LI)			17 Sep 2010
			EP 2271161 (LU)			17 Sep 2010
			EP 2271161 (MC)			17 Sep 2010
			EP 2271161 (PL)			17 Sep 2010
			EP 2271161 (PT)			17 Sep 2010
			EP 2271161 (RO)			17 Sep 2010
			EP 2271161 (SI)			17 Sep 2010
			EP 2271161 (SK)			17 Sep 2010
			EP 2271161 (TR)			17 Sep 2010
			EP 2276299 (BE)			16 Sep 2010
			EP 2276299 (CH)			16 Sep 2010
			EP 2276299 (CY)			16 Sep 2010
			EP 2276299 (DE)			16 Sep 2010
			EP 2276299 (FR)			16 Sep 2010
	EP 2276299 (GB)			16 Sep 2010		
	EP 2276299 (HU)			16 Sep 2010		
	EP 2276299 (IE)			16 Sep 2010		
	EP 2276299 (LI)			16 Sep 2010		
	EP 2276299 (LU)			16 Sep 2010		
	EP 2276299 (MC)			16 Sep 2010		
	EP 2276299 (PT)			16 Sep 2010		
	EP 2276299 (SI)			16 Sep 2010		
	EP 2276299 (TR)			16 Sep 2010		
	US 8073459			19 Mar 2007		
LTE-093	MELCO	EP 2256976	1, 2	3GPP TS 36.201 V8.3.0: Sections 1, 3, 4, 4.1, 4.1.1, 4.2, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 3, 3.2, 7, 7.2, 7.2.2	09 Sep 2010	

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LTE-093	MELCO	EP 2086146		1, 2	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.7.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1		13 Feb 2009	
		EP 1845678		1, 3	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.6.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.6.0: Sections 7.2, 7.2.1		14 Apr 2006	
		CN ZL200710096137.1						13 Apr 2007
		CN ZL201110332960.4						13 Oct 2011
		EP 1845678 (CH)						14 Apr 2006
		EP 1845678 (DE)						14 Apr 2006
		EP 1845678 (FI)						14 Apr 2006
		EP 1845678 (FR)						14 Apr 2006
		EP 1845678 (GB)						14 Apr 2006
		EP 1845678 (IE)						14 Apr 2006
		EP 1845678 (IT)						14 Apr 2006
		EP 1845678 (LI)						14 Apr 2006
		EP 1845678 (LU)						14 Apr 2006
		EP 1845678 (MC)						14 Apr 2006
		EP 1845678 (NL)						14 Apr 2006
		EP 1845678 (PL)						14 Apr 2006
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		EP 1845678 (SE)						14 Apr 2006
		EP 1845678 (TR)						14 Apr 2006
		EP 2086146 (DE)						13 Feb 2009
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		EP 2086146 (GB)						13 Feb 2009
		EP 2086146 (IT)						13 Feb 2009
		EP 2086146 (NL)						13 Feb 2009
		EP 2086146 (PL)						13 Feb 2009
		EP 2086146 (RO)						13 Feb 2009
		EP 2086146 (SE)						13 Feb 2009
		EP 2086146 (TR)						13 Feb 2009
		EP 2256976 (CH)						09 Sep 2010
		EP 2256976 (DE)						09 Sep 2010
		EP 2256976 (FR)						09 Sep 2010
		EP 2256976 (GB)						09 Sep 2010
EP 2256976 (IE)						09 Sep 2010		
EP 2256976 (LI)						09 Sep 2010		
EP 2256976 (LU)						09 Sep 2010		
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EP 2256977 (FR)						09 Sep 2010		
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EP 2285030						09 Sep 2010		
EP 2285030 (DE)						09 Sep 2010		
EP 2285030 (FR)						09 Sep 2010		

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LTE-093	MELCO		EP 2285030 (GB)			09 Sep 2010
			ES 1845678			14 Apr 2006
			ES 2086146			13 Feb 2009
			JP 4974744			16 Apr 2007
			JP 5015303			06 Aug 2010
			JP 5506861			06 Jun 2012
LTE-094	MELCO	EP 2254259		1, 4	3GPP TS 36.211 V8.8.0: 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: Sections 7.3, 10.1 3GPP TS 36.321 V8.7.0: Sections 5.4.1, 5.4.4, 5.4.5, 7.2.1 3GPP TS 36.331 V8.7.0: Sections 6.3.2	22 Sep 2006
			CN ZL200710182191.8			21 Sep 2007
			EP 1903689 (CH)			22 Sep 2006
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			EP 1903689 (DE)			22 Sep 2006
			EP 1903689 (FR)			22 Sep 2006
			EP 1903689 (GB)			22 Sep 2006
			EP 1903689 (HU)			22 Sep 2006
			EP 1903689 (IE)			22 Sep 2006
			EP 1903689 (LI)			22 Sep 2006
			EP 1903689 (LU)			22 Sep 2006
			EP 1903689 (TR)			22 Sep 2006
			EP 2254259 (CH)			22 Sep 2006
			EP 2254259 (CY)			22 Sep 2006
			EP 2254259 (DE)			22 Sep 2006
			EP 2254259 (FR)			22 Sep 2006
			EP 2254259 (GB)			22 Sep 2006
			EP 2254259 (HU)			22 Sep 2006
			EP 2254259 (IE)			22 Sep 2006
			EP 2254259 (LI)			22 Sep 2006
	EP 2254259 (LU)			22 Sep 2006		
	EP 2254259 (TR)			22 Sep 2006		
			JP 5327734			20 Sep 2007
			US 8412210			14 Sep 2007
			US 8825067			25 Aug 2011
LTE-095	MELCO	EP 1871023			3GPP TS 36.213 V8.7.0 3GPP TS 36.211 V8.7.0 3GPP TS 36.212 V8.7.0 3GPP TS 36.331 V8.7.0	23 Jun 2006
			EP 1871023 (CH)			23 Jun 2006
			EP 1871023 (DE)			23 Jun 2006
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**SISVEL**

LTE-096	MELCO	JP 5810151		3GPP TS 36.213 V10.0.0	04 Apr 2011
				3GPP TS 36.211 V10.1.0	
			CN ZL201180029113.9		04 Apr 2011
			US 8995374		04 Apr 2011
LTE-097	MELCO		EP 2136596		20 Aug 2009
			EP 2136596 (DE)		20 Aug 2009
			EP 2136596 (FR)		20 Aug 2009
			EP 2136596 (GB)		20 Aug 2009
			JP 5844711		26 Oct 2012
			JP 5852184		02 Jul 2014
			US 8027392		30 Nov 2005
LTE-098	MELCO		CN ZL200610075251.1		17 Apr 2006
			EP 1715708 (CH)		18 Apr 2005
			EP 1715708 (DE)		18 Apr 2005
			EP 1715708 (FR)		18 Apr 2005
			EP 1715708 (GB)		18 Apr 2005
			EP 1715708 (IE)		18 Apr 2005
			EP 1715708 (LI)		18 Apr 2005
			EP 1715708 (LU)		18 Apr 2005
			US 8081709		13 Jul 2010
LTE-099	MELCO		EP 2023504		05 Aug 2008
			EP 2023504 (DE)		05 Aug 2008
			EP 2023504 (FR)		05 Aug 2008
			EP 2023504 (GB)		05 Aug 2008
			JP 5089519		25 Jul 2008
			KR 10-1061639		25 Jun 2010
			KR 10-1061685		05 Aug 2008
US 8086272		06 Aug 2007			
LTE-100	MELCO		CN ZL200980115949.3		07 May 2009
			EP 2313989 (BE)		07 May 2009
			EP 2313989 (CH)		07 May 2009
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			EP 2313989 (DE)		07 May 2009
			EP 2313989 (FR)		07 May 2009
			EP 2313989 (GB)		07 May 2009
			EP 2313989 (HU)		07 May 2009
			EP 2313989 (IE)		07 May 2009
			EP 2313989 (LI)		07 May 2009
			EP 2313989 (LU)		07 May 2009
			EP 2313989 (MC)		07 May 2009
			EP 2313989 (MK)		07 May 2009
			EP 2313989 (MT)		07 May 2009

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SISVEL

LTE-100	MELCO		EP 2313989 (PT)			07 May 2009
			EP 2313989 (SI)			07 May 2009
			EP 2313989 (TR)			07 May 2009
			JP 5079098			07 May 2009
			US 8842554			07 May 2008
LTE-101	MELCO		CN ZL200980116297.5			07 May 2009
			EP 2294717			07 May 2009
			JP 5079097			07 May 2009
LTE-102	MELCO		CN ZL200980116094.6			07 May 2009
			JP 5199387			07 May 2009
			JP 5631425			07 Feb 2013
LTE-103	MELCO	JP 5749159		3GPP TS 36.300 V10.3.0		09 Jun 2009
				3GPP TS 36.413 V10.1.0		
				3GPP TS 36.321 V10.1.0		
				3GPP TS 36.213 V10.1.0		
			CN ZL200980121915.5		09 Jun 2009	
			EP 2289258 (CH)		09 Jun 2009	
			EP 2289258 (DE)		09 Jun 2009	
			EP 2289258 (FR)		09 Jun 2009	
			EP 2289258 (GB)		09 Jun 2009	
			EP 2289258 (IE)		09 Jun 2009	
			EP 2289258 (LI)		09 Jun 2009	
			EP 2289258 (LU)		09 Jun 2009	
			EP 2533600 (CH)		05 Sep 2012	
			EP 2533600 (CY)		05 Sep 2012	
			EP 2533600 (DE)		05 Sep 2012	
			EP 2533600 (FR)		05 Sep 2012	
			EP 2533600 (GB)		05 Sep 2012	
			EP 2533600 (HR)		05 Sep 2012	
			EP 2533600 (HU)		05 Sep 2012	
			EP 2533600 (LI)		05 Sep 2012	
			EP 2533600 (MK)		05 Sep 2012	
			EP 2533600 (MT)		05 Sep 2012	
			EP 2533600 (TR)		05 Sep 2012	
JP 5830131		14 May 2014				
KR 10-1561271		09 Jun 2009				
KR 10-1623919		09 Jun 2014				
US 8744342		09 Jun 2009				
LTE-104	MELCO		CN ZL200980136505.8			24 Jul 2009
			EP 2333994 (BE)			24 Jul 2009
			EP 2333994 (CY)			24 Jul 2009
			EP 2333994 (DE)			24 Jul 2009
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**SISVEL**

LTE-104	MELCO		EP 2333994 (HU)			24 Jul 2009
			EP 2333994 (LU)			24 Jul 2009
			EP 2333994 (MC)			24 Jul 2009
			EP 2333994 (MK)			24 Jul 2009
			EP 2333994 (MT)			24 Jul 2009
			EP 2333994 (TR)			24 Jul 2009
			JP 5420552			24 Jul 2009
			KR 10-1643434			24 Jul 2009
			US 8526512			24 Jul 2009
LTE-105	MELCO		CN ZL201080010770.4			10 Mar 2010
			JP 5048867			10 Mar 2010
			JP 5462327			19 Jul 2012
			JP 5622950			16 Jan 2014
LTE-106	MELCO	JP 5806123			3GPP TS 36.331 V12.5.0	09 Feb 2011
			AU 2011215256			09 Feb 2011
			EP 2536221 (AL)			09 Feb 2011
			EP 2536221 (BE)			09 Feb 2011
			EP 2536221 (CH)			09 Feb 2011
			EP 2536221 (CY)			09 Feb 2011
			EP 2536221 (DE)			09 Feb 2011
			EP 2536221 (FR)			09 Feb 2011
			EP 2536221 (GB)			09 Feb 2011
			EP 2536221 (HU)			09 Feb 2011
			EP 2536221 (IE)			09 Feb 2011
			EP 2536221 (LI)			09 Feb 2011
			EP 2536221 (LU)			09 Feb 2011
			EP 2536221 (MC)			09 Feb 2011
			EP 2536221 (MK)			09 Feb 2011
			EP 2536221 (MT)			09 Feb 2011
			EP 2536221 (TR)			09 Feb 2011
			JP 6076427			03 Sep 2015
			RU 2586884			09 Feb 2011
	US 9565713			09 Feb 2011		
LTE-107	MELCO	JP 5773993			3GPP TS 36.300 V10.2.0	25 Apr 2011
			AU 2011246790			25 Apr 2011
			CN ZL201180021251.2			25 Apr 2011
			JP 6072859			29 Jun 2015
			RU 2570360			25 Apr 2011
			RU 2612030			05 Nov 2015
			US 8917644			25 Apr 2011
LTE-108	MELCO	JP 5079139			3GPP TS 36.300 V11.6.0	23 Mar 2010
			CN ZL201080018936.7			23 Mar 2010

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LTE-108	MELCO		JP 5511916			28 Aug 2012
			JP 5721878			25 Mar 2014
			JP 6080885			24 Mar 2015
			US 8953523			23 Mar 2010
			US 9438390			06 Nov 2014
			US 9705648			18 Mar 2016
LTE-109	MELCO	JP 5980124			3GPP TS 36.101 V14.0.0	20 Dec 2011
			US 9380563			20 Dec 2011
LTE-110	MELCO	JP 5922101			3GPP TS 36.300 V14.3.0	26 Mar 2012
			JP 6257684			13 Apr 2016
			US 9392599			26 Mar 2012
			US 9730213			13 Jun 2016
LTE-111	KPN	EP 2486750		1	3GPP TS 36.331 V10.20.0: Sections 5.6.5.1, 5.6.5.2, 5.6.5.3, 5.6.6.1, 5.6.6.2, 6.2.2, 6.3.1 3GPP TS 25.331 V10.20.0: Sections 10.3.7.13, 10.3.7.23, 10.3.7.33 3GPP TS 36.306 V10.15.0: Sections 4.3.7.1, 4.3.7.9, 4.3.7.11, 4.3.13.1 3GPP TS 37.320 V10.4.0: Sections 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 3GPP TS 32.422 V10.13.0: Sections 4.1.1.6a, 4.1.5, 6 3GPP TS 36.304 V10.8.0: Section 8 3GPP TS 36.300 V10.12.0: Section 22.3.2a	05 Oct 2010
			DE 602010020567.3			05 Oct 2010
			EP 2486750 (CH)			05 Oct 2010
			EP 2486750 (FI)			05 Oct 2010
			EP 2486750 (FR)			05 Oct 2010
			EP 2486750 (GB)			05 Oct 2010
			EP 2486750 (IE)			05 Oct 2010
			EP 2486750 (NL)			05 Oct 2010
			EP 2486750 (PL)			05 Oct 2010
			EP 2486750 (SE)			05 Oct 2010
			ES 2529388			05 Oct 2010
			JP 5600176			05 Oct 2010
			US 8660560			05 Oct 2010
LTE-112	KPN	EP 2566263		1, 15	3GPP TS 23.682 v13.9.0: Sections 4.5.5, 5.5.1; Figure 5.5.1-1 3GPP TS 23.246 v13.3.0: Sections 4.4.1, 4.4.3.3, 4.4.3.4; Figure 4 3GPP TS 36.331 v13.6.1: Sections 5.8a1.1, 5.8a.2.1, 6.2.2, 6.3.7a; Figure 5.8a.2.1-1	05 Oct 2010
			EP 2486767			05 Oct 2010
			JP 5562425			05 Oct 2010
			JP 5847067			12 Dec 2012
			US 9913072			28 Dec 2012
LTE-113	KPN	US 9699820		16	3GPP TS 23.303 v12.8.0: Sections 5.6.2; Annex A(informative) A.2	10 Aug 2016
			EP 2893734			29 Aug 2013
			EP 3079391			29 Aug 2013
			JP 6072918			29 Aug 2013

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LTE-113	KPN		KR 10-1692171			29 Aug 2013
			KR 10-1760229			29 Aug 2013
			US 9438572			29 Aug 2013
LTE-114	KPN	US 9372098		1, 15, 17, 21	3GPP TS 23.401 v13.8.0: Sections 4.11, 5.3.4 B, 5.3.4 B.1; Figure 5.3.4. B-1 3GPP TS 23.682 v13.6.0: Sections 5.13.4; Figure 5.13.4-1	28 Oct 2009
			CN ZL200980152983.8			28 Oct 2009
			EP 2342538			28 Oct 2009
LTE-115	KPN	US 9820134		12, 13, 14	3GPP TS 23.303 v13.6.0: Sections 3.1, 3.2, 4.6.4.2a, 5.3.1.2, 5.3.2A, 5.3.3A.2, 5.3.3A.4; Figures 5.3.2A-1, 5.3.3A.2A-1, 5.3.3A.4A-1	23 Jan 2014
			JP 6145177			23 Jan 2014
LTE-116	MELCO	JP 4800388			3GPP TS 36.304 V10.5.0	09 Aug 2006
			CN ZL200680050128.2			09 Aug 2006
			IN 260195			09 Aug 2006
			JP 5236774			22 Apr 2011
			JP 5602255			11 Jan 2013
			KR 10-1258130			09 Aug 2006
			KR 10-1329607			04 Mar 2011
			KR 10-1389809			24 Jun 2010
US 8660046			09 Aug 2006			
LTE-117	KPN	EP 2656648		9	3GPP TS 33.163 V15.0.0: Sections 3.1, 3.2, 4.5, 4.6.2, 4.6.2.2, 5.1.3; Figures 4.6.2.2-1; Table: 5.1.3-1 3GPP TS 33.220 V15.0.0: Appex B.2.0	ISLD-201903-013 06 Dec 2011
			EP 2656648 (DE)			06 Dec 2011
			EP 2656648 (FI)			06 Dec 2011
			EP 2656648 (FR)			06 Dec 2011
			EP 2656648 (GB)			06 Dec 2011
			EP 2656648 (IT)			06 Dec 2011
			EP 2656648 (NL)			06 Dec 2011
			EP 2656648 (SE)			06 Dec 2011
			US 10103887			20 Jun 2013
LTE-118	SISVEL*	US 10064176		1, 6, 9	3GPP TS 36.331 V12.5.0: Sections 5.1.1, 5.10.1, 5.10.1a, 5.10.2.1, 5.10.2.2, 5.10.7.1, 5.10.7.4, 6.3.1, 6.3.2, 6.5.1, 6.5.2, Figures 5.10.2-1, 5.10.7.1-1, 5.10.7.1-2; 5.10.7.1-3 3GPP TS 36.221 V12.5.0: Sections 4, 4.2; Table 4.2-2 3GPP TS 23.303 V12.4.0: Sections 1, 4.4.1.1, 4.4.2, 4.5.1.1.2.3.1, 4.5.6	09 Jun 2014
			CN ZL201410255736.3			10 Jun 2014
LTE-119	SISVEL*	US 9973324		1, 11	3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4.28, 3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8	08 May 2014
			CN ZL 201410090475.4			12 Mar 2014

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**SISVEL**

LTE-120	SISVEL*	CN ZL 201410852934.8		1, 5, 9, 13	3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2.2, 6.3.2, 6.3.4, 6.4; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0	26 Dec 2014
LTE-121	SISVEL*	CN ZL 201510040667.9		1, 8	3GPP TS 36.321 V14.3.0: Sections 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.1, 10.1.5	27 Jan 2015
LTE-122	SISVEL*	CN ZL 201510698366.5		1, 17	3GPP TS 36.211 V14.3.0: Sections 4.1, 4.2, 5.2.3, 6.2.3, 10.1.2.1, 10.1.2.3, 10.2.2.1, 10.2.5.1, 10.2.7, 10.2.7.1, 10.2.7.1.1, 10.2.7.1.2, 10.2.7.2, , 10.2.7.2.1, 10.2.7.2.2 ; Tables 5.2.3-1, 6.2.3-1, 10.1.2.1-1, 10.2.5.1-1, 10.2.7.1.1-1 3GPP TS 36.213 V14.3.0: Sections 16.4, 16.4.1, 16.4.1.3, 16.5.1, 16.5.1.1,16.6; Table 16.4.1.3-1, 16.4.1.3-2, 16.5.1.1-2, 16.5.1.1-3, 16.6-1 3GPP TS 36.331 V14.3.0: Sections 3.1, 5.2.1.1, 5.2.1.2a, 6.7.2, 6.7.3.2; FigureL 5.2.2.1-1 3GPP TS 36.212 V14.3.0: Sections 6.1, 6.4.3, 6.4.3.1, 6.4.3.2; Tables 6.1-3	23 Oct 2015
LTE-123	SISVEL*	CN ZL 201610121604.0		1, 17	3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2	03-03-16
LTE-124	SISVEL*	US 9749969		1, 9	3GPP TS 36.331 V13.1.0: Sections 3.1, 3.2, 4.2.2, 5.2.1.1, 5.2.2.1, 5.3.3.1, 6.2.2, 6.3.1, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1 3GPP TS 36.213 V12.5.0: Sections 5.1.2, 5.1.2.1, 5.1.4, 5.1.4.1, 5.1.4.2 3GPP TS 36.101 V12.5.0: Sections 6.2.5	12 Feb 2015
LTE-125	SISVEL	US 8879503		10	3GPP TS 24.301 V.11.10.0: Sections 1, 4.3.1, 5.5.1.2.4, 5.5.3.2.4, 8.2.1.1, 8.2.26.1, 9.9.3.12A; Tables 8.2.1.1, 8.2.26.1, 9.9.3.12A.1 3GPP TS 24.229 V.11.9.0: Sections 4.3.2.4, 4.5, 5.1.1.2.1; Annex L.3, L.3.1.2; Tables 4.3.2.4.1	26-09-11
LTE-126	SISVEL	US 8600383		1	3GPP TS 36.304 v8.10.0: Sections 1, 5.2.1, 5.2.4.4	14-09-12
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LTE-128	SISVEL	US 8189611		1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	02-12-08
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SISVEL

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LTE-129	SISVEL	US 8472955		1, 2, 3, 4, 5,	3GPP TS 23.122 V8.12.0: Sections 1.2, 4.2, 4.4.3.1.1; Annex A 3GPP TS 22.011 V8.11.0: Sections 1.2, 3.2.2.1 3GPP TS 31.102 V8.11.0: Sections 1, 4.2.84, 4.2.53, 5.1.1.2 3GPP TS 36.331 V8.21.0: Sections 6.1, 6.3.4 3GPP TS 24.301 V8.10.0: Sections 8.2.1.1, 9.9.3.32, 9.9.3.33; Table 8.2.1.1; Figures 9.9.3.32.1, 9.9.3.33.1 3GPP TS 22.101 V8.15.0: Sections A.3		03-07-12
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LTE-130	SISVEL SPA	EP 2315383		1	3GPP TS 36.322 V8.5.0: Sections 4.2.1.3.1, 5.1.3.1.1, 5.1.3.2.1, 5.1.3.2.3, 5.2.1, 5.2.3, 6.1.2, 6.2.1.6, 6.2.2.14, 6.2.2.16, 7.1, 7.3; Figures 6.2.1.6-1	ISLD-201407-015 ISLD-201412-003	03 Jan 2007
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SISVEL

LTE-131	SISVEL SPA	EP 2248383 (ES)			10 Sep 2009
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