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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					9 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	1 Mar 2002	
			CA 2439566					1 Mar 2002
			DE 60209106.3					1 Mar 2002
			EP 1364547 (FR)					1 Mar 2002
			EP 1364547 (GB)					1 Mar 2002
			EP 1364547 (IT)					1 Mar 2002
			US 7254393					1 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	1 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



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
		DE 602009003834.6					19 Feb 2009
		DE 602009013108.7					19 Feb 2009
		EP 2250835 (AT)					19 Feb 2009
		EP 2250835 (BE)					19 Feb 2009
		EP 2250835 (CH)					19 Feb 2009
		EP 2250835 (DK)					19 Feb 2009
		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
		EP 2250835 (IT)					19 Feb 2009
		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
		IN 273372					19 Feb 2009
JP 5684323					19 Feb 2009		
JP 5841566					19 Feb 2009		
JP 5926433					19 Feb 2009		
KR 10-1231986					19 Feb 2009		
US 9247426					19 Feb 2009		



LTE-021	KPN		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
			EP 0831613 (CH)					21 Nov 1996
			EP 0831613 (FR)					21 Nov 1996
			EP 0831613 (IE)					21 Nov 1996
			EP 0831613 (IT)					21 Nov 1996
			EP 0831613 (LU)					21 Nov 1996
			EP 0831613 (NL)					21 Nov 1996
			EP 0831613 (SE)					21 Nov 1996
			EP 831613 (FI)					21 Nov 1996
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
			DE 602010002693.0					16 Sep 2010
			EP 2299649 (FI)					16 Sep 2010
			EP 2299649 (FR)					16 Sep 2010
			EP 2299649 (GB)					16 Sep 2010
			EP 2299649 (HU)					16 Sep 2010
			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	KPN	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
			EP 2073551 (CH)					20 Dec 2007
			EP 2073551 (FI)					20 Dec 2007
			EP 2073551 (FR)					20 Dec 2007
			EP 2073551 (GB)					20 Dec 2007
			EP 2073551 (IE)					20 Dec 2007
			EP 2073551 (IT)					20 Dec 2007
			EP 2073551 (LI)					20 Dec 2007
			EP 2073551 (LU)					20 Dec 2007



LTE-025	KPN		EP 2073551 (MC)				20 Dec 2007
			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	4 May 2011
			CN ZL201180022801.2				4 May 2011
			DE 602011005344.2				4 May 2011
			EP 2567564 (FI)				4 May 2011
			EP 2567564 (FR)				4 May 2011
			EP 2567564 (GB)				4 May 2011
			EP 2567564 (NL)				4 May 2011
			EP 2567564 (SE)				4 May 2011
			JP 5969983				4 May 2011
			US 9210590				4 May 2011
	US 9462544				4 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
			CN ZL201080058898.8				



LTE-028	KPN		DE 602010016869.7				16 Dec 2010
			EP 2517495 (FI)				16 Dec 2010
			EP 2517495 (FR)				16 Dec 2010
			EP 2517495 (GB)				16 Dec 2010
			EP 2517495 (NL)				16 Dec 2010
			EP 2517495 (PL)				16 Dec 2010
			EP 2517495 (SE)				16 Dec 2010
			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			
			CA 2436318				19 Nov 2001
			CN ZL01822358.3				19 Nov 2001
			DE 60142490.5				19 Nov 2001
			EP 1356461 (FR)				19 Nov 2001
			EP 1356461 (GB)				19 Nov 2001
			EP 1356461 (IT)				19 Nov 2001
			EP 1356461 (NL)				19 Nov 2001
			EP 1356461 (TR)				19 Nov 2001
			ES 2347760				19 Nov 2001
			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
			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



LTE-030	3G LICENSING	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
		CN ZL201210078576.0				22 Mar 2006
		DE 602006014383.4				22 Mar 2006
		EP 1869840 (CH)				22 Mar 2006
		EP 1869840 (FR)				22 Mar 2006
		EP 1869840 (GB)				22 Mar 2006
		EP 1869840 (IE)				22 Mar 2006
		EP 1869840 (IT)				22 Mar 2006
		EP 1869840 (LI)				22 Mar 2006
		EP 1869840 (LU)				22 Mar 2006
		EP 1869840 (MC)				22 Mar 2006
		EP 1869840 (NL)				22 Mar 2006
		EP 1869840 (PL)				22 Mar 2006
		EP 1869840 (TR)				22 Mar 2006
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
		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		



LTE-031	3G LICENSING		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
			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	



LTE-034	3G LICENSING	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	
		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	ISLD-201308-012ISLD	19 Apr 2005	
		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
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	



LTE-037	3G LICENSING		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		
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	



LTE-039	3G LICENSING	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					10 Mar 2004
			EP 1602215 (FR)					10 Mar 2004
			EP 1602215 (GB)					10 Mar 2004
			KR 10-1007005					10 Mar 2004
			US 7640017					10 Mar 2004
		US 8023946				10 Mar 2004		
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	
		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	



LTE-040	3G LICENSING	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 P10411577				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
		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
						19 Mar 2007



LTE-042	3G LICENSING		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	ISLD-201109-011 ISLD-201109-012 ISLD-201308-035 ISLD-201308-036	7 Oct 2004	
		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	7 Oct 2004	
		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	7 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	7 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	7 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	7 Oct 2004	
			DE 602004015819.4					7 Oct 2004
			EP 1671501 (FR)					7 Oct 2004
			EP 1671501 (GB)					7 Oct 2004
			EP 1671501 (IT)					7 Oct 2004
			ES 2311849				7 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	
		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	



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LTE-044	3G LICENSING	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
			EP 0960542 (GB)				19 Jan 1998
			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-201308-0029ISL	16 Oct 2001
		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
			AU 715225				25 Sep 1996
			CA 2232792				25 Sep 1996
			CN ZL96197188.6				25 Sep 1996
			DE 69635453.5				25 Sep 1996
			EP 0852885 (AT)				25 Sep 1996
			EP 0852885 (BE)				25 Sep 1996
			EP 0852885 (FR)				25 Sep 1996
			EP 0852885 (GB)				25 Sep 1996
			EP 0852885 (IE)				25 Sep 1996
			EP 0852885 (IT)				25 Sep 1996
			EP 0852885 (NL)				25 Sep 1996



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			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	5 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	5 Oct 1999	
			CN ZL99811826.5					5 Oct 1999
			DE 69924130.8					5 Oct 1999
			EP 1119997 (AT)					5 Oct 1999
			EP 1119997 (BE)					5 Oct 1999
			EP 1119997 (FR)					5 Oct 1999
			EP 1119997 (GB)					5 Oct 1999
			EP 1119997 (IT)					5 Oct 1999
			EP 1119997 (NL)					5 Oct 1999
			EP 1119997 (PT)					5 Oct 1999
			EP 1119997 (SE)					5 Oct 1999
			ES 2237154					5 Oct 1999
			FI 106288					6 Oct 1998
			JP 4226786					5 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
			EP 2139272 (BE)					13 Oct 2000
			EP 2139272 (CH)					13 Oct 2000
			EP 2139272 (DK)					13 Oct 2000
			EP 2139272 (FI)					13 Oct 2000
			EP 2139272 (FR)					13 Oct 2000
			EP 2139272 (GB)					13 Oct 2000
			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		



LTE-051	SISVEL		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
			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		



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LTE-054	SISVEL		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
			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			
LTE-059	3G LICENSING	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	
LTE-063	3G LICENSING	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		2 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	2 Dec 2004	
			DE 602004042246.0				2 Dec 2004	



LTE-063	3G LICENSING		EP 1690361 (FR)				2 Dec 2004
			EP 1690361 (GB)				2 Dec 2004
			JP 4845738				2 Dec 2004
			KR 10-1092537				2 Dec 2004
LTE-064	KPN	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
			US 9667669				19 Jan 2010
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		9 Oct 2008
			DE 602008043679.9				9 Oct 2008
			EP 2597926 (AT)				9 Oct 2008
			EP 2597926 (BE)				9 Oct 2008
			EP 2597926 (CH)				9 Oct 2008
			EP 2597926 (FR)				9 Oct 2008
			EP 2597926 (GB)				9 Oct 2008
			EP 2597926 (IE)				9 Oct 2008
			EP 2597926 (IT)				9 Oct 2008
			EP 2597926 (NL)				9 Oct 2008
			EP 2597926 (PL)				9 Oct 2008
			EP 2597926 (PT)				9 Oct 2008
			EP 2597926 (RO)				9 Oct 2008
			EP 2597926 (SE)				9 Oct 2008
			EP 2597926 (TR)				9 Oct 2008
			ES 2579290				9 Oct 2008
	US 8781469				9 Oct 2008		
	US 9319976				9 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
			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		9 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				1 Apr 2009
			KR 10-0951332				1 Apr 2009
			US 8125963				29 Jul 2004
			US 8385295				9 Feb 2012
LTE-076	MELCO		JP 4097129				8 Aug 2002
			JP 4772838				1 Aug 2008
			JP 5037305				9 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



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LTE-077	MELCO		CN ZL200680049892.8			27 Dec 2006
			IN 263874			27 Dec 2006
			JP 4819129			27 Dec 2006
			JP 5160667			2 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
			EP 3125451 (CY)			16 Sep 2016
			EP 3125451 (DE)			16 Sep 2016
			EP 3125451 (FR)			16 Sep 2016
			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	5 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			4 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	8 Sep 2004
			CN ZL201210178008.8			29 May 2012
			JP 5048094			12 Mar 2010
			US 8149765			8 Sep 2004
			US 8675546			7 Feb 2012
LTE-081	MELCO		JP 4902592			9 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	
			JP 5026577			2 Dec 2010	
			JP 5220903			2 Aug 2011	
			US 8583156			30 Apr 2004	
EP 1742500			30 Apr 2004				
LTE-083	MELCO	JP 4698734			3GPP TS 36.300 V8.7.0 3GPP TS 36.300 V8.4.0		1 Feb 2008
			AU 2008212453			1 Feb 2008	
			AU 2011201566			6 Apr 2011	
			AU 2014204428			15 Jul 2014	
			CN ZL200880000038.1			1 Feb 2008	
			EP 2117243			1 Feb 2008	
			IN 268040			1 Feb 2008	
			JP 5550697			12 Oct 2012	
			KR 10-1018316			1 Feb 2008	
			KR 10-1359411			11 Aug 2010	
			KR 10-1473229			26 Aug 2013	
			KR 10-1796712			16 May 2014	
			RU 2432716			1 Feb 2008	
			RU 5295309			22 Jun 2011	
			US 9161181			1 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	
			AU 2009312285			26 Oct 2009	
			AU 2014201266			7 Mar 2014	
			AU 2015252029			3 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			



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LTE-084	MELCO		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
			EP 2346286 (PT)			26 Oct 2009
			EP 2346286 (TR)			26 Oct 2009
			JP 5726351			30 Apr 2014
			KR 10-1279523			26 Oct 2009
			RU 2461149			26 Oct 2009
			RU 2511040			29 May 2012
			RU 2554533			29 Jan 2014
	RU 2599542			6 May 2015		
	US 9877268			23 Jul 2015		
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			9 Aug 2007
			EP 2068578 (DE)			9 Aug 2007
			EP 2068578 (FR)			9 Aug 2007
			EP 2068578 (GB)			9 Aug 2007
			JP 4776693			9 Aug 2007
			US 8165082			9 Aug 2007
			US 8942198			6 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			4 Mar 2014
			US 9072104			28 Jan 2010
			US 9357545			8 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		8 Apr 2005
			CN ZL200510063850.7				7 Apr 2005
			EP 1585232 (DE)				8 Apr 2004
			EP 1585232 (FR)				8 Apr 2004
			EP 1585232 (GB)				8 Apr 2004
			EP 1585232 (MC)				8 Apr 2004
			JP 5318038				30 Jun 2010
			US 7756210				29 Mar 2005
			US 8265187			7 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				7 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



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LTE-092	MELCO	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
		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		



LTE-092	MELCO		US 8073459			19 Mar 2007	
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 ZL2011110332960.4				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
			EP 1845678 (RO)				14 Apr 2006
			EP 1845678 (SE)				14 Apr 2006
			EP 1845678 (TR)				14 Apr 2006
			EP 2086146 (DE)				13 Feb 2009
			EP 2086146 (FI)				13 Feb 2009
			EP 2086146 (FR)				13 Feb 2009
			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)				9 Sep 2010
			EP 2256976 (DE)				9 Sep 2010
			EP 2256976 (FR)				9 Sep 2010
			EP 2256976 (GB)				9 Sep 2010
	EP 2256976 (IE)				9 Sep 2010		
	EP 2256976 (LI)				9 Sep 2010		
	EP 2256976 (LU)				9 Sep 2010		
	EP 2256977				9 Sep 2010		
	EP 2256977 (DE)				9 Sep 2010		
	EP 2256977 (FR)				9 Sep 2010		
	EP 2256977 (GB)				9 Sep 2010		
	EP 2285030				9 Sep 2010		
	EP 2285030 (DE)				9 Sep 2010		
	EP 2285030 (FR)				9 Sep 2010		



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LTE-093	MELCO		EP 2285030 (GB)			9 Sep 2010
			ES 1845678			14 Apr 2006
			ES 2086146			13 Feb 2009
			JP 4974744			16 Apr 2007
			JP 5015303			6 Aug 2010
			JP 5506861			6 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
			EP 1903689 (CY)			22 Sep 2006
			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
			EP 1871023 (FR)			23 Jun 2006
			EP 1871023 (GB)			23 Jun 2006
			EP 1871023 (LI)			23 Jun 2006
LTE-096	MELCO	JP 5810151			3GPP TS 36.213 V10.0.0 3GPP TS 36.211 V10.1.0	4 Apr 2011
			CN ZL201180029113.9			4 Apr 2011



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LTE-096	MELCO		US 8995374			4 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			2 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			5 Aug 2008
			EP 2023504 (DE)			5 Aug 2008
			EP 2023504 (FR)			5 Aug 2008
			EP 2023504 (GB)			5 Aug 2008
			JP 5089519			25 Jul 2008
			KR 10-1061639			25 Jun 2010
			KR 10-1061685			5 Aug 2008
US 8086272			6 Aug 2007			
LTE-100	MELCO		CN ZL200980115949.3			7 May 2009
			EP 2313989 (BE)			7 May 2009
			EP 2313989 (CH)			7 May 2009
			EP 2313989 (CY)			7 May 2009
			EP 2313989 (DE)			7 May 2009
			EP 2313989 (FR)			7 May 2009
			EP 2313989 (GB)			7 May 2009
			EP 2313989 (HU)			7 May 2009
			EP 2313989 (IE)			7 May 2009
			EP 2313989 (LI)			7 May 2009
			EP 2313989 (LU)			7 May 2009
			EP 2313989 (MC)			7 May 2009
			EP 2313989 (MK)			7 May 2009
			EP 2313989 (MT)			7 May 2009
			EP 2313989 (PT)			7 May 2009
			EP 2313989 (SI)			7 May 2009
			EP 2313989 (TR)			7 May 2009
JP 5079098			7 May 2009			
US 8842554			7 May 2008			



LTE-101	MELCO		CN ZL200980116297.5			7 May 2009
			EP 2294717			7 May 2009
			JP 5079097			7 May 2009
LTE-102	MELCO		CN ZL200980116094.6			7 May 2009
			JP 5199387			7 May 2009
			JP 5631425			7 Feb 2013
LTE-103	MELCO	JP 5749159		3GPP TS 36.300 V10.3.0		9 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		9 Jun 2009	
			EP 2289258 (CH)		9 Jun 2009	
			EP 2289258 (DE)		9 Jun 2009	
			EP 2289258 (FR)		9 Jun 2009	
			EP 2289258 (GB)		9 Jun 2009	
			EP 2289258 (IE)		9 Jun 2009	
			EP 2289258 (LI)		9 Jun 2009	
			EP 2289258 (LU)		9 Jun 2009	
			EP 2533600 (CH)		5 Sep 2012	
			EP 2533600 (CY)		5 Sep 2012	
			EP 2533600 (DE)		5 Sep 2012	
			EP 2533600 (FR)		5 Sep 2012	
			EP 2533600 (GB)		5 Sep 2012	
			EP 2533600 (HR)		5 Sep 2012	
			EP 2533600 (HU)		5 Sep 2012	
			EP 2533600 (LI)		5 Sep 2012	
			EP 2533600 (MK)		5 Sep 2012	
	EP 2533600 (MT)		5 Sep 2012			
	EP 2533600 (TR)		5 Sep 2012			
	JP 5830131		14 May 2014			
	KR 10-1561271		9 Jun 2009			
	KR 10-1623919		9 Jun 2014			
	US 8744342		9 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
			EP 2333994 (FR)			24 Jul 2009
			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



LTE-104	MELCO		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	9 Feb 2011
			AU 2011215256			9 Feb 2011
			EP 2536221 (AL)			9 Feb 2011
			EP 2536221 (BE)			9 Feb 2011
			EP 2536221 (CH)			9 Feb 2011
			EP 2536221 (CY)			9 Feb 2011
			EP 2536221 (DE)			9 Feb 2011
			EP 2536221 (FR)			9 Feb 2011
			EP 2536221 (GB)			9 Feb 2011
			EP 2536221 (HU)			9 Feb 2011
			EP 2536221 (IE)			9 Feb 2011
			EP 2536221 (LI)			9 Feb 2011
			EP 2536221 (LU)			9 Feb 2011
			EP 2536221 (MC)			9 Feb 2011
			EP 2536221 (MK)			9 Feb 2011
			EP 2536221 (MT)			9 Feb 2011
			EP 2536221 (TR)			9 Feb 2011
			JP 6076427			3 Sep 2015
			RU 2586884			9 Feb 2011
US 9565713			9 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			5 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
			JP 5511916			28 Aug 2012
			JP 5721878			25 Mar 2014
			JP 6080885			24 Mar 2015
			US 8953523			23 Mar 2010
US 9438390			6 Nov 2014			
US 9705648			18 Mar 2016			
LTE-109	MELCO	JP 5980124			3GPP TS 36.101 V14.0.0	20 Dec 2011



LTE-109	MELCO		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	5 Oct 2010
					DE 602010020567.3	5 Oct 2010
					EP 2486750 (CH)	5 Oct 2010
					EP 2486750 (FI)	5 Oct 2010
					EP 2486750 (FR)	5 Oct 2010
					EP 2486750 (GB)	5 Oct 2010
					EP 2486750 (IE)	5 Oct 2010
					EP 2486750 (NL)	5 Oct 2010
					EP 2486750 (PL)	5 Oct 2010
					EP 2486750 (SE)	5 Oct 2010
					ES 2529388	5 Oct 2010
					JP 5600176	5 Oct 2010
					US 8660560	5 Oct 2010
			LTE-112	KPN	EP 2566263	
		EP 2486767				5 Oct 2010
		JP 5562425				5 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
					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



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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				
LTE-116	MELCO	JP 4800388			3GPP TS 36.304 V10.5.0		9 Aug 2006
			CN ZL200680050128.2				9 Aug 2006
			IN 260195				9 Aug 2006
			JP 5236774				22 Apr 2011