

DVB-T2 LICENSING PROGRAM - PATENT TECHNICAL COVERAGE

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LIST OF PATENTS COVERING AN ENCODER¹ FUNCTION

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
BBC01	EP 2220837	EP countries: AT CZ DE DK ES FR GB IE IT NL PL SE TR	1	8.1, 8.3, 9.8, 9.8.1, 9.8.2.2, 9.8.2.4.1, 9.8.2.4.2
		Family members: AU 2008324030 CN 200880024926.7 EA 025988 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM) IN 347472 KR 10-1514099 ZA 2009/08650		
BBC02	EP 2165494	EP countries: AT BE CZ DE DK ES FI FR GB HR IE IT NL PL RS SE TR	1	6.2.1, 6.2.2, 6.3, 6.4, 6.5, 8.5, 9, 9.5
		Family members: AU2008259620 CN 200880018960.3 IN 320706		

¹ “Encoder function” means: a functionality for framing / Modulation / encoding digital signals in compliance with the DVB-T2 Standard.

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		KR 10-1476869 RU (EA) 016617 ZA 2009/08302		
BBC03	EP 2158736	EP countries: AT BE CZ DE DK ES FI FR GB HR IE IT NL PL RS SE TR	1, 7	4, 4.1, 9, 9.1, 9.2.2, 9.2.3, 9.2.4, 9.2.8, 9.4, 9.5
		Family members: AU 2008252671 CN ZL200880023714.7 IN 335248 KR 10-1462297 RU (EA) 016296 ZA 2009/08261		
DTV01	EP 1518328	EP countries: BE CH DE DK ES FI FR GB IT LU NL	1, 12	6.1, 6.1.2, 6.1.2.1, Annex A
	EP 2190123	EP countries AT CH CZ DE DK ES FI FR GB IT NL SE SK	1, 2	6.1, 6.1.2, 6.1.2.1, Annex A
		Family members: CA2456485 CN 03800849.1 -- CN 03800852.1 HK 1069933 -- HK 1073186 JP 3836859 KR 10-0602027 -- KR 10-0683600 US 6963622 -- US 7191378 -- US 7424662 US 7577207 -- US 7954036 -- US 8102947		
DTV02	US 7334181		6	3.3, 4.1, 5.1, 6.1, 6.1.2.1, 6.1.2.2 Annex B
		Family members: CA 2480145 -- CA 2579599 CN 0410087494 HK 1076673 JP 3917617 KR 10-0619206 US 7673226 -- US 8028224		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
DTV03	EP 1385270	EP countries: BE CH DE DK ES FI FR GB IT LU NL	1, 7	6.1.1, 6.1.2, 6.1.2.1, Annex A
		Family members: JP 4422436 KR 10-0543154		
ETR01	KR 937030		1	3.1, 3.2, 4.1, 4.2, 6.2, 6.2.2, 8.3.6.2
ETR02	KR 10-0930718		1, 2	1, 3.1, 4.1, 7, 7.1, 7.2, 7.2.3, 7.2.3.0, 7.2.3.2, 8, 8.0, 8.1, 8.3, 8.3.0, 8.3.4, 8.3.6.2, 8.3.6.3.2 and 8.3.6.3.3, and Figures 1, 24, 28, 35, 37, 39, 43, 45
		Family members: KR 10-1211115 US 8630278		
ETR03	KR 10-1074113		1, 2	1, 3.1, 4.1, 4.2, 6.1, 6.1.0, 7, 7.1, 7.2, 7.2.3, 7.2.3.0, 7.2.3.1, 8, 8.0, 8.1, 8.3, 8.3.0, 8.3.2, Figures 1, 2(d), 24, 27, 35, 37, and Tables 6(a), 6(b), 32, 33, 34
		Family members: CN 101715646 KR 10-1334370 -- KR 10-1394580		
FRA01	DE 102006026895		1, 2	3, 3.1, 4, 4.2, 5, 5.1, 5.1.0, 5, 5.2, 5.2.0, 6, 6.1, 6.1.0, 6.2, 6.2.0, 6.4, 6.5, 6.5.0, 6.5.2, 6.5.3, 7, 7.2, 7.2.0, 7.2.3, 7.2.3.0, 7.2.3.1, 9, 9.0
	EP 2027656	EP countries: CZ DE ES FR GB HU IT NL PL RO TR	1	1, 4.1, 4.2, 6.1.0, 6.1.2, 6.1.3, 6.2.0, 6.2.1, 6.2.2, 6.3, 6.4, 6.5.0, 6.5.3; figures: 1, 2(d), 2(f), 12, 14, 20; tables: 6(a), 6(b), 11, 12, 17
	EP 3761513	EP countries: CZ DE ES FR GB HU IT NL PL RO TR	1	1, 4.1, 4.2, 6.1.0, 6.1.2, 6.1.3, 6.2.0, 6.2.1, 6.2.2, 6.3, 6.4, 6.5.0, 6.5.3; figures: 1, 2(d), 2(f), 12, 14, 20; tables: 6(a), 6(b), 11, 12, 17
LGE01	EP 2157754	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	1, 3.1, 4.1, 4.2, 6.2.0, 8.0, 8.1, 9.0 9.5, 9.8.1, 9.8.2.4.2
		Family members: CN ZL200880120284.0 IN 271503 RU 2475984 US 8385460 -- US 8565339 -- US 8929481		
LGE02	EP 2086155	EP countries: DE DK ES FR GB HR HU IT LV NL PL SE SI SK	1	4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.2.3.1, 7.3.1.2, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.8.1

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
	EP 2154810	EP countries: AT CZ DE DK ES FR GB HU IT PL SE SK	1	3.1, 4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.3.1.2, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.0, 9.5
	EP 2238750	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.3.1.2, 7.3.2.7, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.0, 9.5, 9.8.1, 9.8.2.0, 9.8.2.4.2 and D.1
		Family members: CN ZL200880126172.6 KR 10-1580164 -- KR 10-1596849 -- KR 10-1634196 RU 2440690		
LGE03	EP 2086144	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.0, 7.2.3.1, 7.3.1.1, 7.3.1.2, 7.3.2.7, 8.1, 8.3.2, 8.3.3, 8.3.4, C.1.1, D.1, D.2, D.2.1, D.2.2
	EP 2226957	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 4.1, 4.2, 6.1.3, 7, 7.2.1, 7.3.2.3, 7.3.2.4, 8.3.1, 8.3.2, 8.3.4, D, D.1, D.2.2
	EP 2388942	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.1, 7.3.1.1, 7.3.1.2, 7.3.2.7, 8.3.1, 8.3.2, 8.3.4, 9.8.2, 9.8.2.0, 9.8.2.4.2, D, D.1, D.2.2
		Family members: CN 2016-10034311 KR 10-1580165 -- KR 10-1629337 -- KR 10-1759948 RU 2506705 US 8370729 -- US 8694875		
LGE04	EP 2993850	EP countries: DE FR GB NL PL SE SK	1	1, 3, 4, 4.4.1 6.4, 7.0, 7.2.1, 7.3.3.0, 7.3.3.1, 7.3.1, 8.3.1, 8.3.6.1
	EP 3236627	EP countries: DE FR GB NL PL SK	1	3, 4.1, 4.2, 6.2.2, 6.4, 7.0, 7.1, 7.2.1, 7.2.2, 7.3.3.0, 7.3.3.1, 8.3.0, 8.3.1
		Family members: CN ZL2008800243932 IN 288457 KR 10-1100224		
LGE06	EP 2043291	EP countries: DE DK ES FR GB HR IT LV NL PL SE SI TR	1	3.3; 4.2; 6.1.0; 6.1.3; 6.2.1; 6.2.2; 7.1; 7.2.1; 7.2.3.0; 7.2.3.1; 8.0; 9.0; 9.5
		Family members: CN ZL2008801178837 IN 1153KOLNP2010 KR 10-1084154		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		RU 2437237 US 9008234		
LGE07	EP 2157724	EP countries: DE ES FR GB HU IT NL PL SI SK	3	1, 2.2, 3.1, 3.3, 4.2, 7.2.1, 7.2.3, 8.3.4, D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses 5.2.1, 6.2, 6.3, 6.4.6.3
	EP 2234317	EP countries: DE ES FR GB HU IT NL PL SI SK	1	1, 2.2, 3.1, 3.3, 4.1, 4.2, 7.2.1, 7.2.3.0, 8.3.4, D.1, D.2.1, D.2.2, D.2.3; ETSI EN 300 468 v1.16.1 clauses 1, 5.2.1, 6.2.0, 6.3, 6.4.6.3
		Family members: KR 10-1084155		
LGE08	EP 2079183	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 3.3, 4.1, 4.2, 7.1, 7.2.1, 7.2.3.1, 9.2.2.2 Annex D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses 6.4.5.3
	EP 2224635	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	1, 2.2, 3.1, 3.3, 4.1, 4.2, 7.2.1, 7.2.3.0, 7.2.3.1, 8.3.4, 9.2.2.2, D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses : 6.3, 6.4.6.3.
		Family members: CN ZL200880123441 IN 271481 KR 10-1490262 -- KR 10-1556152 -- KR 10-1590969 RU 2480914		
NOK02	EP 1606900	EP countries: BE DE FR GB IT SE	3, 4	1, 3, 3.1 7, 7.1, 7.2.1, 7.2.3.1, 8.3.6.3.3, 8.3.2, 9.8.2 and section D.1 of Annex D
NOK03	EP 1832062	EP countries: DE FR GB IT	1, 6, 7	3, 3.1, 4, 4.1, 4.2, 5, 5.1, 5.1.4, 5.2, 5.2.1 and 8.3.4 ETSI TS 102.773 V1.4.1 (2016-03): Sections 3, 3.1, 4, 4.1, 4.2, 4.3, 5, 5.2 and 5.2.1 6.2, 6.2.0 and 6.2.2
NOK04	EP 2132912	EP countries: AT BE BG CY CZ DE DK EE FI FR GB GR HU IE IT LT LU LV MT NL PT RO SE SI SK	12	1, 3.1, 7.1, 7.2.3.1, 8.3.4, 9.8.1, 9.8.2.0; figures: 24, 27, 39, 52, tables: 33 ETSI TS 102 831 v1.2.1 (2012-08), clauses: 10.2.2.1, 10.2.2.6.1, 10.2.2.6.3
NOK06	EP 2198547	EP countries: DE GB	1, 7	3.1; 3.3; 4.1; 4.2; 7.1; 7.2.3.2; 7.2.3.3; 7.3.1.2; 8.3.3.
NOK07	EP 2816770	EP countries: DE DK ES FR GB PL TR	4	3.1, 3.3, 7.2.1, 8.3.0, 8.3.2, 9.8.2.0, 9.8.2.1, 9.8.2.2 ETSI TS 102 831 V1.2.1 (2012-08): Sections 10.2.2.2, 10.2.2.3, 10.2.2.6.1, 10.2.2.6.3

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
NOK11	EP 2235856	EP countries: AT DE FI GB IT SE TR	1, 4	8.3, 8.5, Annex D
RAI01	EP 2248265	EP countries: AT BE BG CH CZ DE DK EE ES FI FR GB HR HU IE IT LU NL PL RO SE SK SI TR IT 1386234; IT 1386253	1	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
	EP 2254249	EP countries: AT BE BG CH CZ DE DK EE ES FI FR GB HR HU IE IT LU NL PL RO SE SK SI TR	1	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
	EP 2254250	EP countries: AT BE BG CH CZ DE DK EE ES FI FR GB HR HU IE IT LU NL PL RO SE SK SI TR	1	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
		Family members: CN 101971503 -- CN 20140219944.8 -- CN 201410221680.X HK 1150688 -- HK 1151140 -- HK 1151141 IN 333036 JP 5325237 KR 10-1566677 -- KR 10-1623468 -- KR 10-1623561 US 8718186 -- US 9246517 -- US 9240809		
SAM01	EP 1515504	EP countries: DE FR GB IT SE	1, 8	9.6.2
		Family members: AU 2004303047 CA 2536234 CN 1849761 IN 242608 JP 4303288 KR 100933115 RU 2313910 US 7340006		
SAM02	EP 2091156	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	4	1; 3.3; 4.1; 6.1.2.0; 6.1.2.1; 6.1.2.2; annex B; tables: 6(b); 8(b); B.3; figures: 1; 12
		Family members:		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		AU 2009216008 CN 103152055 ID P0030101 JP 5120862 KR 101192920 MY 153328 RU 2450442 SG 163313 TW I387212 US 8291282 VN 10740		
SAM03	EP 2086193	EP countries: DE ES FI FR GB IT NL NO SE	1	1, 4.1, 5.2, 5.2.0, 5.2.4, 9, 9.8, 9.8.2, 9.8.2.0, 9.8.2.2, 9.8.2.4, 9.8.2.4.1, 9.8.2.4.2
	EP 3487134	EP countries: AT BE BG CH CY CZ DE DK EE EP ES FI FR GB GR HR HU IE IS IT LI LT LU LV MK NL NO PL PT RO SE SI SK TR	1	1, 4.1, 9.8, 9.8.0, 9.8.2, 9.8.2.0, 9.8.2.2, 9.8.2.4, 9.8.2.4.1 and 9.8.2.4.2
		Family members: AU 2009209788 CN 101933261 ID P000034483 IN 287161 JP 5158900 KR 101469977 MY 169427 PH 1-2010-501605 RU 2475983 SG 162929 VN 10745		
SAM04	EP 2093912	EP countries: DE ES FR GB IT NL	7	1, 4.1, 5., 5.2, 5.2.3, 5.2.3.0, 5.2.3.1, 7, 7.1, 7.2, 7.2.3, 7.2.3.0, 7.2.3.1, 8, 8.1, 8.3, 8.3.2
		Family members: IN 298604 US 9602978		
SAM05	EP 2096761	EP countries:	3	1; 3.3; 4.1; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.1; 7.3.1.2; 7.3.2.2; 7.3.2.4, 7.3.2.5, tables 8(a) and 8(b)

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR		
		Family members: AU 2009217933 CN 102017427 -- CN 103401633 ID P000039403 IN 323159 JP 5440805 -- JP 5644011 KR 101503058 -- KR 101503656 MY 163692 RU 2450443 -- RU 2520406 SG 163815 -- SG 188820 TW I511469 -- TW I511470 US 8271846 VN 13667		
SAM06	EP 2101430	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	1	1, 4.1, 7.1, 7.2.1, 7.2.2, 7.2.3.6, 7.3.1.2, 7.3.3.0, 8.3.0, 8.3.2, 8.3.5, 9.0
		Family members: AU 2009220323 CN ZL200980115022.X ID IDP0032958 IN 302741 JP 5441270 MY MY-155174-A RU 2453992 SG 164162 TW I376907 US 8352844 VN 13658		
SAM07	EP 2099149	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	1	1, 3.1, 3.2, 4.1, 4.2, 6.1.0, 7.1, 7.2, 7.2.2, 7.3.1.1, and 7.3.1.2, Annex E.1
	EP 2106055	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	1	1, 3.1, 3.2, 4.1, 4.2, 6.1.0, 7.1, 7.2, 7.2.2, 7.3.1.1, 7.3.1.2, Annex E.1.

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		Family members: AU 2009220329 -- AU 2013231171 CN ZL200980107570.8 -- CN ZL201310350532.3 ID IDP000040682 -- ID IDP0031717 IN 305072 JP 5263797 KR P1455393 MY MY-164304-A -- MY MY-169389-A RU 2469478 SG 164163 -- SG 188838 TW I382708 US 10595305 -- US 9001776 -- US 9980252 -- US 10299253 VN 12790AU 2013231171		
SAM08	EP 3675446	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	1	1, 3.1, 4.1, 4.2, 9.0, 9.2.1, 9.3, 9.5, 9.6.2.0, 9.6.2.1, Annex H; figure: 1; tables: H.1, H.2
	EP 3675447	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	1	1, 3.1, 4.1, 4.2, 9.0, 9.2.1, 9.3, 9.5, 9.6.2.0, 9.6.2.1, Annex H; figure: 1, 2(f); tables: H.1, H.2
SAM09	EP 2114044	EP countries: DE FR GB NL	1	1, 3, 4, 4.1, 8.3.2, 9.2.6, 9.2.6.1, 9.3, 9.6.0, 9.6.2, 9.6.2.0, 9.6.2.1, Annex H
		Family members: CA 2721415 IN 294308 KR 101475523 RU 2466509 US 9407488		
SAM10	EP 2384030	EP countries: DE FI FR GB SE	1	1, 4.1, 4.2, 7.1, 7.2.3.0, 7.2.3.2, 8.0, 8.3.2, 9.0
	EP 2375792	EP countries: DE FI FR GB SE	1	1, 4.1, 4.2, 7.1, 7.2.3.0, 7.2.3.2, 8.0, 8.3.2, 9.0
		Family members: IN 254414 JP 4422761		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		KR 0800887 US RE44774		
SAM11	EP 2442512	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	1	9.2.3.1, 9.3
	EP 2153600	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	1	8.3.2, 9.3, 9.2.3.1, 9.4, 9.6.2.1
	EP 2685692	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	1	9, 9.0, 9.2.3.1, 9.3, 9.4, 9.6.2 and 9.6.2.0
		Family members: KR 1158163 US 8300714		
SAM12	EP 2068449	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	2	1, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.1, 6.1.2.2, 7.3, 7.3.2.2, 7.3.2.3, 7.3.2.4, 7.3.2.6, Annex B
		Family members: AU 2008332040 -- AU 2012200530 CN ZL200880119339.6 ID P000035518 IN 287231 JP 5441282 -- JP 5302972 KR 1502624 -- KR 1503653 -- KR 1503995 MY 163774-A RU 2491727 -- RU 2446585 SG 161004 -- SG 2012090015 US 8166367 VN 12905		
SAM13	EP 2088678	EP countries: DE FR GB NL	6	1, 4, 4.1, 6, 6.1 6.1.0, 6.1.2, 6.1.2.1, 6.1.2.2, 7.3, 7.3.1, 7.3.1.1, 7.3.2.2, 7.3.2.4, 7.3.2.5
	EP 2582054	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	1	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.2.2; 7.3.1.1; 7.3.2.5; tables: 8(b); 39; 42; B.1 figures: 2(d); 12; 31; 33
	EP 2557694	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	1	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.4; 7.3.2.5; 7.3.2.6 tables: 6(b); 8(b); 39; 43; B.2 figures: 2(d); 12; 31; 33

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
	EP 2579467	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	5	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.2.2; 7.3.1.1; 7.3.2.4; 7.3.2.5; tables: 8(b); 39; 42; B.1 figures: 2(d); 12; 31; 33
		Family members: AU 2009213247 CN ZL200980104873.4 ID IDP000035694 IN 336925 JP 5506099 KR 1502623 -- KR 1503654 MY MY-152791-A RU 2439793 SG 188149 TW 1384766 -- TW 1401892 US 8286065 VN 14512		
SAM14	EP 2096760	EP countries: DE ES FR GB HU IT NL SE	5	6; 6.1; 6.1.0; 6.1.2; 6.1.2.0; 6.1.2.1; 6.1.2.2; 6.2.2; 7.3; 7.3.2.2; 7.3.2.4; 7.3.2.6; 7.3.3.2
	EP 2363962	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	1	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31
	EP 2490337	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	5	1; 3.3; 4.1; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; 7.3.2.; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31.
	EP 3849088	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	1	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31.
		Family members: AU 2009217934 -- AU 2013201428 CN ZL201310149574.0 -- CN ZL200980114592.7 ID P000040112 JP 5440804 -- JP 5648224 KR 1503059 -- KR 1503655 MY MY-152769-A -- MY MY-173292-A RU 2454794 -- RU 2490791		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		SG 102014011925 -- SG 163819 -- SG 188821 TW 1399043 -- TW 1506963 -- TW 1506964 US 8176384 VN 13666		
SAM15	EP 3468073	Family members: AT BE BG CH CY CZ DE DK EE EP ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	3	1, 3.1, 3.2, 4, 4.1, 7, 7.1, 7.2.3, 7.2.3.1, 7.2.3.2, 8, 8.0, 8.3, 8.3.0, 8.3.2, 8.3.6.3.2 and 8.3.6.3.3
SON01	EP 1931097	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(c); figures: 2(e); 46(c)
	EP 2247055	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL PL PT RO SE SK TR	1	4.2; 7.2.1; 8.3.2; 8.5; tables: 19(a); 48; 52; 53(c); figures: 2(e); 46(c)
SON02	EP 2056463	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; figures: 2(e)
SON03	EP 2056466	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(f); figures: 2(e); 46(f)
SON04	EP 2056472	EP countries: AT BE CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(a); figures: 2(e); 46(a)
SON05	EP 2056510	EP countries: AT BE CZ DE DK ES FI FR GB HU IT NL NO PL RO SE SK TR	1	4.2; 6.1; 6.1.2; 6.1.2.1; 6.2.0; 7.3.3.0; 8.3.2; 8.5; Annex A;
SON06	EP 2333963	EP countries: AT, CH, DE, ES, FI, FR, GB, IT, NL, PL, TR,	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(d); figures: 2(e); 46(d)
SON07	EP 2214318	EP countries: AT DE ES FR GB HU IT NL PL PT RO SE SK TR	3	3.1; 3.3; 4.1; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.3; 6.2.0; 6.2.1; 6.2.2; Annex A; tables: 6(a); 8(a); 9; 11; 12; 13(c); A.3; figures: 1, 2(d), 12, 13.
	EP 2214321	EP countries: DE ES FR GB IT NL TR	2	3.1, 6.1.0, 6.1.2.1 and Annex A
SON08	EP 2237432	EP countries: DE FR GB NL	1	1, 2, 2.2, 3, 3.1, 3.2, 3.3, 4, 4.1, 4.2, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.0, 6.1.2.1, 6.1.2.2, 6.1.3, 6.2 and 6.2.0
SON09	EP 2237429	EP countries: DE FR GB NL SK TR	6	1, 3, 3.1, 3.2, 3.3, 4, 4.1, 4.2, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.0, 6.1.2.1, 6.1.2.2 and 6.1.3

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
SON10	EP 3429084	EP countries: DE ES FR GB HU IT NL PL SE TR	4	4.1; 4.2; 6.1.0; 7.1; 7.2.2; 7.2.3.0; 7.3.1.2; 7.3.2.1; 7.3.2.2; 7.3.2.5; 7.3.2.6; 8.0; 8.3.0; 9.0; figures: 1; 2(d); 12; 24; 25; 30; 32.
TBR01	FR 2927754		13	4.1, 6.1, 6.1.2, 6.1.3, 6.2.2, 6.3
		Family members: CN JP KR		
TDF01	EP 0820172 <i>(expired)</i>	EP countries: DE ES GB IT NL SE	1, 3, 4	3.1, 4.1, 4.2, 9, 9.1, 9.2.1, 9.2.3, 9.2.3.1, 9.2.3.2, 9.2.4.3, 9.2.6.2, 9.2.7.2, 9.2.8, Annex C
TDF02	EP 0742654 <i>(expired)</i>	EP countries: DE ES SE	1	1, 3.2, 3.3, 4.1, 4.2, 9, 9.5

LIST OF PATENTS COVERING A DECODER² FUNCTION

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
BBC02	EP 2165494	EP countries: AT BE CZ DE DK ES FI FR GB HR IE IT NL PL RS SE TR	8	6.2.1, 6.2.2, 6.3, 6.4, 6.5, 8.5, 9, 9.5
		Family members: AU2008259620 CN 200880018960.3 IN 320706 KR 10-1476869 RU (EA) 016617 ZA 2009/08302		
BBC03	EP 2158736	EP countries: AT BE CZ DE DK ES FI FR GB HR IE IT NL PL RS SE TR	7	4, 4.1, 9, 9.1, 9.2.2, 9.2.3, 9.2.4, 9.2.8, 9.4, 9.5
	EP 2477369	EP countries: AT BE CZ DE DK ES FR GB IE IT NL PL SE TR	1, 4	9.1, 9.2.1, 9.2.2, 9.2.3.1, 9.2.8
		Family members: AU 2008252671 -- AU 2013203046 CN ZL200880023714.7 EA 020813 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM) KR 10-1462297 -- KR 10-1529450 RU (EA) 016296 ZA 2009/08261		
DTV01		KR 10-0602027 US 6963622 -- US 7577207-- US 7954036 -- US 8102947		
DTV02		US 7673226 -- US 8028224		
ETR02	KR 10-0930718		9	1, 3.1, 4.1, 4.2, 6, 6.1, 6.1.0, 6.2, 6.2.0, 6.2.2, 7, 7.1, 7.2, 7.2.1, 7.2.3, 7.2.3.0, 7.2.3.1, 8.1, 8.3, 8.3.0, 9.8 and 9.8.1, Figures 1, 2(d), 24, 27, 35 and 37, and Tables 6(a), 6(b), 11, 18, 32 and 33

² “Decoder function” means: a functionality for de-framing / demodulating / decoding digital signals that are compliant with the DVB-T2 Standard.

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		Family members: KR 10-1328166 US 9246806		
ETR03	KR 10-1074113		7	1, 4.1, 4.2, 6, 6.2, 6.2.0, 6.2.2, 7, 7.1, 7.2, 7.2.3, 7.2.3.0, 7.2.3.1, 8.3 and 8.3.0, Figures 1, 2(d), 24, 27 and 37, and Tables 11, 32 and 33
		Family members: CN 101715646		
FRA01	DE 102006026895		21, 22	3, 3.1, 4, 4.2, 5, 5.1, 5.1.0, 5, 5.2, 5.2.0, 6, 6.1, 6.1.0, 6.2, 6.2.0, 6.4, 6.5, 6.5.0, 6.5.2, 6.5.3, 7, 7.2, 7.2.0, 7.2.3, 7.2.3.0, 7.2.3.1, 9, 9.0
LGE01	EP 2071792	EP countries: DE ES FR GB HU IT PL SK	4	4.1, 4.2, 7.1, 7.2.1, 8.3.1, 9.8.1, 9.8.2, 9.8.2.4.2, C.1.1, D.3
	EP 2157754	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	2	1, 3.1, 4.1, 4.2, 6.2.0, 8.0, 8.1, 9.0 9.5, 9.8.1, 9.8.2.4.2
	EP 2239905	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	1, 4.1, 4.2, 6.1.0, 6.2.0, 7.2.1, 8.0, 8.1, 8.3.0, 8.3.2, 9.0, 9.8.1, 9.8.2.0, 9.8.2.4.2
		Family members: CN ZL200880120284.0 IN 271503 RU 2475984 US 8385460 -- US 8565339 -- US 8929481		
LGE02	EP 2086155	EP countries: DE DK ES FR GB HR HU IT LV NL PL SE SI SK	5	4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.2.3.1, 7.3.1.2, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.8.1
	EP 2154810	EP countries: AT CZ DE DK ES FR GB HU IT PL SE SK	5	3.1, 4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.3.1.2, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.0, 9.5
	EP 2238750	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	5	3.1, 4.1, 4.2, 5.1.0, 6.1.0, 6.1.2.0, 7.1, 7.2.1, 7.2.3.0, 7.3.1.2, 7.3.2.7, 8.0, 8.1, 8.3.0, 8.3.2, 8.3.5, 8.3.6.0, 8.3.6.3.1, 9.0, 9.5, 9.8.1, 9.8.2.0, 9.8.2.4.2 and D.1
		Family members: CN ZL200880126172.6 KR 10-1580164 -- KR 10-1596849 -- KR 10-1634196 RU 2440690		
LGE03	EP 2086144	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	4	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.0, 7.2.3.1, 7.3.1.1, 7.3.1.2, 7.3.2.7, 8.1, 8.3.2, 8.3.3, 8.3.4, C.1.1, D.1, D.2, D.2.1, D.2.2

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
	EP 2226957	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	4	3.1, 4.1, 4.2, 6.1.3, 7, 7.2.1, 7.3.2.3, 7.3.2.4, 8.3.1, 8.3.2, 8.3.4, D, D.1, D.2.2
	EP 2388942	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	5	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.1, 7.3.1.1, 7.3.1.2, 7.3.2.7, 8.3.1, 8.3.2, 8.3.4, 9.8.2, 9.8.2.0, 9.8.2.4.2, D, D.1, D.2.2
		Family members: CN 2016-10034311 KR 10-1580165 -- KR 10-1629337 -- KR 10-1759948 RU 2506705 US 8370729 -- US 8694875		
LGE04	EP 3236627	EP countries: DE FR GB NL PL SK	3	3, 4.1, 4.2, 6.2.2, 6.4, 7.0, 7.1, 7.2.1, 7.2.2, 7.3.3.0, 7.3.3.1, 8.3.0, 8.3.1
		Family members: CN ZL2008800243932 IN 288457 KR 10-1100224		
LGE05	EP 2195986	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.2, 7.3.1.1, 7.3.1.2, 7.3.2.7, 9., 9.0, 9.5, 9.8.1
	EP 2518963	EP countries: AT CH CZ DE DK ES FR GB IT NL PL SE SK TR	1	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.1, 7.2.3.2, 7.3.1.1, 7.3.1.2, 7.3.2.7, 9, 9.0, 9.5, 9.8.1, 9.8.2, 9.8.2.0, 9.8.2.4.2
	EP 2518964	EP countries: AT CH CZ DE DK ES FR GB IT NL PL SE SK TR	1	3.1, 4.1, 4.2, 7, 7.1, 7.2.1, 7.2.3.2, 7.3.1.1, 7.3.1.2, 7.3.2.7, 9., 9.0, 9.5, 9.8.2, 9.8.2.0, 9.8.2.4.2
		Family members: CN ZL200880107560X IN 271615 KR 10-1084153 RU 2444144		
LGE06	EP 2043291	EP countries: DE DK ES FR GB HR IT LV NL PL SE SI TR	5	3.3; 4.2; 6.1.0; 6.1.3; 6.2.1; 6.2.2; 7.1; 7.2.1; 7.2.3.0; 7.2.3.1; 8.0; 9.0; 9.5
	EP 2139142	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	4	3.1; 3.3; 4.2; 6.1.0; 6.1.3; 6.2.1; 6.2.2; 7.1; 7.2.1; 7.2.3.0; 7.2.3.1; 8.0; 9.0; 9.5
	EP 2242199	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	1	3.1; 3.3; 4.2; 6.1.0; 6.1.3; 6.2.1; 6.2.2; 7.1; 7.2.1; 7.2.3.0; 7.2.3.1; 8.0; 9.0; 9.5
		Family members: CN ZL2008801178837		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		IN 1153KOLNP2010 KR 10-1084154 RU 2437237 US 9008234		
LGE07	EP 2237467	EP countries: DE ES FR GB IT NL HU PL SI SK	6	1, 3, 3.1, 5, 4.1, 4.2, 6.5 7, 7.1, 7.2.1, 8, 8.0, 8.1, 8.3.3, 8.3.4, 8.3.6, 8.5, D.2.1, D.2.2 ; EN 300.468: 6.4.5.3
	EP 2157724	EP countries: DE ES FR GB HU IT NL PL SI SK	2	1, 2.2, 3.1, 3.3, 4.2, 7.2.1, 7.2.3, 8.3.4, D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses 5.2.1, 6.2, 6.3, 6.4.6.3
	EP 2234317	EP countries: DE ES FR GB HU IT NL PL SI SK	4	1, 2.2, 3.1, 3.3, 4.1, 4.2, 7.2.1, 7.2.3.0, 8.3.4, D.1, D.2.1, D.2.2, D.2.3; ETSI EN 300 468 v1.16.1 clauses 1, 5.2.1, 6.2.0, 6.3, 6.4.6.3
		Family members: IN 279075 KR 10-1084155		
LGE08	EP 2079183	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	4	3.1, 3.3, 4.1, 4.2, 7.1, 7.2.1, 7.2.3.1, 9.2.2.2 Annex D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses 6.4.5.3
	EP 2224635	EP countries: AT CZ DE DK ES FR GB HU IT NL PL SE SI SK	2	1, 2.2, 3.1, 3.3, 4.1, 4.2, 7.2.1, 7.2.3.0, 7.2.3.1, 8.3.4, 9.2.2.2, D.1, D.2.1, D.2.2; ETSI EN 300 468 v1.16.1 clauses : 6.3, 6.4.6.3.
		Family members: CN ZL200880123441 IN 271481 KR 10-1490262 -- KR 10-1556152 -- KR 10-1590969 RU 2480914		
NOK01	EP 1283607 (expired)	EP countries: DE ES FR GB IT	1	1, 3.1, 3.3, 8.2, 8.3, 8.3.4, 9.8.1, 9.8.2.2
NOK04	EP 2132912	EP countries: AT BE BG CY CZ DE DK EE FI FR GB GR HU IE IT LT LU LV MT NL PT RO SE SI SK	11	1, 3.1, 7.1, 7.2.3.1, 8.3.4, 9.8.1, 9.8.2.0; figures: 24, 27, 39, 52, tables: 33 ETSI TS 102 831 v1.2.1 (2012-08), clauses: 10.2.2.1, 10.2.2.6.1, 10.2.2.6.3
NOK05	EP 2135388	EP countries: AT BE DE DK ES FI FR GB IT NL PL SE TR	15	4.2; 6.5; 8.1; 7.1; 7.2; 8.3

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
NOK06	EP 2198547	EP countries: DE GB	8, 14	3.1; 3.3; 4.1; 4.2; 7.1; 7.2.3.2; 7.2.3.3; 7.3.1.2; 8.3.3.
NOK07	EP 2816770	EP countries: DE DK ES FR GB PL TR	3	3.1, 3.3, 7.2.1, 8.3.0, 8.3.2, 9.8.2.0, 9.8.2.1, 9.8.2.2 ETSI TS 102 831 V1.2.1 (2012-08): Sections 10.2.2.2, 10.2.2.3, 10.2.2.6.1, 10.2.2.6.3
NOK08	EP 2210359	EP countries: DE GB IT	6	7.1; 7.2.2; 7.3.1.1; 8.3.0; 8.3.2.
NOK09	EP 2238798	EP countries: AT BE DE DK ES FI FR GB IT NL PL SE TR	7	3.1; 4.2; 6.5.0; 7.1; 7.2.1; 7.2.3.1; 7.3.1.2
NOK10	EP 2235857	EP countries: BE DE ES FR GB IT PL SE	9	1, 5.1.3, 7.2.0, 7.2.1, 7.2.2, 7.2.3.1, 8, 8.0, 8.1, 8.2, and 8.4.
NOK11	EP 2235856	EP countries: AT DE FI GB IT SE TR	7, 9	8.3, 8.5, Annex D
RAI01	EP 2248265	EP countries: AT BE BG HR DK EE FI FR DE GB IE IT LU NL PL CZ RO SK SI ES SE CH TR HU IT 1386234; IT 1386253	5	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
	EP 2254249	EP countries: AT BE BG HR DK EE FI FR DE GB IE IT LU NL PL CZ RO SK SI ES SE CH TR HU	6	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
	EP 2254250	EP countries: AT BE BG HR DK EE FI FR DE GB IE IT LU NL PL CZ RO SK SI ES SE CH TR HU	6	4.1, 6.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2
		Family members: CN 101971503 -- CN 20140219944.8 -- CN 201410221680.X HK 1150688 -- HK 1151140 -- HK 1151141 IN 333036 JP 5325237 KR 10-1566677 -- KR 10-1623468 -- KR 10-1623561 US 8718186 -- US 9246517 -- US 9240809		
SAM02	EP 2093887	EP countries:	4	1; 3.3; 4.1; 6.1.2.0; 6.1.2.1; 6.1.2.2; annex B; tables: 6(b); 8(b); B.3; figures: 1; 12

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR		
		Family members: AU 2009216008 CN 103138768 ID P0030101 JP 5506879 KR 101192920 MY 153328 RU 2450442 SG 163313 TW I387212 US 8291282 VN 10740		
SAM03	EP 2086193	EP countries: DE ES FI FR GB IT NL NO SE	6	1, 4.1, 5.2, 5.2.0, 5.2.4, 9, 9.8, 9.8.2, 9.8.2.0, 9.8.2.2, 9.8.2.4, 9.8.2.4.1 and 9.8.2.4.2
	EP 3487134	EP countries: AT BE BG CH CY CZ DE DK EE EP ES FI FR GB GR HR HU IE IS IT LI LT LU LV MK NL NO PL PT RO SE SI SK TR	5	1, 4.1, 9.8, 9.8.0, 9.8.2, 9.8.2.0, 9.8.2.2, 9.8.2.4, 9.8.2.4.1 and 9.8.2.4.2
		Family members: AU 2009209788 CN 101933261 ID P000034483 IN 287161 JP 5158900 KR 101469977 MY 169427 PH 1-2010-501605 RU 2475983 SG 162929 VN 10745		
SAM04	EP 2096777	EP countries: DE ES FR GB IT NL	1	1, 4.1, 5., 5.2, 5.2.3, 5.2.3.0, 5.2.3.1, 7, 7.1, 7.2, 7.2.3, 7.2.3.0, 7.2.3.1, 8, 8.1, 8.3 and 8.3.2
		Family members:		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		AU 2009216037 CN 101953133 ID P0031942 IN 298604 JP 5175942 KR 101162805 RU 2450474 SG 163417 US 9602979 VN 14312		
SAM05	EP 2096762	EP countries: DE FI FR GB IT NL NO SE	2	1; 3.3; 4.1; 6.1; 6.1.2.0; 6.1.2.2; 7.3.2.2; 7.3.2.4; 7.3.2.5, 7.3.3.0, tables 6(b) and 8(b)
	EP 2584708	EP countries: DE ES FI FR GB IT NL SE	4	1; 3.3; 4.1; 6.1; 6.1.2.0; 6.1.2.2; 7.3.2.2; 7.3.2.4; 7.3.2.5 and 7.3.3.0, tables 6(b) and 8(b) and 43
		Family members: AU 2013203761 CN 103368584 -- CN 103401563 ID P000039403 IN 323159 JP 5644010 -- JP 5644012 KR 101503656 -- KR 101554064 MY 163692 RU 2450443 -- RU 2520405 SG 10201401195Q -- SG 163815 TW I511469 -- TW I511470 US 8271846 VN 13667		
SAM06	EP 2101431	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	1	1, 4.1, 7.1, 7.2.1, 7.2.2, 7.2.3.6, 7.3.1.2, 9.0
	EP 2469746	EP countries: DE DK ES FR GB IT	1	1, 4.1, 7.1, 7.2.1, 7.2.2, 7.2.3.6, 7.3.1.2, 9.0
		Family members: AU 2009220323		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		CN ZL201310227235.X ID IDP0032958 IN 302741 JP 5670537 MY MY-155174-A RU 2453992 SG 164162 TW I376907 US 8352844 VN 13658		
SAM07	EP 2101429	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SI SK TR	1	1, 3.1, 3.2, 4.1, 4.2, 6.1.0, 7.1, 7.2, 7.2.2, 7.3.1.1, 7.3.1.2, Annex E.1
		Family members: AU 2013231175 CN ZL201310350121.4 ID IDP000035936 JP 5263797 KR P1490608 MY MY-169390-A RU 2469478 SG 10201401474Q TW I382708 US 10299253 -- US 9008037 -- US 9980252 VN 12790		
SAM08	EP 3457653	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	1	1, 3.1, 3.3, 4.1; 9.3, 9.6.2.0, 9.6.2.1, annex H; tables: H.1, H.2
	EP 3675446	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	4	1, 3.1, 4.1, 4.2, 9.0, 9.2.1, 9.3, 9.5, 9.6.2.0, 9.6.2.1, Annex H; figure: 1; tables: H.1, H.2
	EP 3675447	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	4	1, 3.1, 4.1, 4.2, 9.0, 9.2.1, 9.3, 9.5, 9.6.2.0, 9.6.2.1, Annex H; figure: 1, 2(f); tables: H.1, H.2

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		Family members: CN ZL200880001361.0 KR P1314254 US 9584352		
SAM10	EP 2506607	EP countries: DE FI FR GB SE	1	1, 4.1, 4.2, 7.1, 7.2.3.0, 7.2.3.2, 8.0, 8.3.2, 9.0
		Family members: IN 254414 JP 4422761 KR 0800887 US RE44774		
SAM11	EP 2442512	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	2	9.2.3.1, 9.3
	EP 2153600	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	7	8.3.2, 9.3, 9.2.3.1, 9.4, 9.6.2.1
		Family members: KR 1158163 US 8300714		
SAM12	EP 2239854	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	2	6, 6.1, 6.1.0, 6.1.2, 6.1.2.1, 6.1.2.2, 7.3, 7.3.2.2, 7.3.2.3, 7.3.2.4, 7.3.2.6, Annex B
	EP 2381583	EP countries: CZ DE ES FI FR GB HU IT NL PL SE SK	2	1, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.1, 6.1.2.2, 7.3, 7.3.2.2, 7.3.2.3, 7.3.2.4, 7.3.2.6, Annex A
		Family members: AU 2008332040 -- AU 2012200530 CN ZL200880119339.6 ID P000053724 IN 287231 JP 5441282 KR 1502624 -- KR 1503653 -- KR 1503995 MY 163774-A RU2491727 SG 161004 -- SG 2012090015 US 8166367 VN 12905		

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
SAM13	EP 2093886	EP countries: DE FR GB NL	2	1, 4, 4.1, 6, 6.1 6.1.0, 6.1.2, 6.1.2.1, 6.1.2.2, 7.3, 7.3.1, 7.3.1.1, 7.3.2.2, 7.3.2.4, 7.3.2.5
	EP 2582054	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	5	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.2.2; 7.3.1.1; 7.3.2.5; tables: 8(b); 39; 42; B.1 figures: 2(d); 12; 31; 33
	EP 2557694	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	5	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.4; 7.3.2.5; 7.3.2.6 tables: 6(b); 8(b); 39; 43; B.2 figures: 2(d); 12; 31; 33
	EP 2579467	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	3	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.2.2; 7.3.1.1; 7.3.2.4; 7.3.2.5; tables: 8(b); 39; 42; B.1 figures: 2(d); 12; 31; 33
		Family members: AU 2013203514 CN ZL201310168423.X IN 336925 JP 5583833 KR 1503654 -- KR 1502677 MY MY-171996-A RU 2439793 SG 10201400710U TW 1384766 -- TW 1401892 US 8286065 VN 14512		
SAM14	EP 2099136	EP countries: DE ES FR GB IT NL SE	3	6; 6.1; 6.1.0; 6.1.2; 6.1.2.0; 6.1.2.1; 6.2.2; 7.3; 7.3.2.2; 7.3.2.4; 7.3.2.6; 7.3.3.2
	EP 2363962	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	5	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31
	EP 2490337	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	3	1; 3.3; 4.1; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; 7.3.2.; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31.
	EP 3849088	EP countries: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	10	1; 3.3; 4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.2.2; 7.3.1.2; 7.3.2.2; 7.3.2.3; 7.3.2.4; tables: 8(b); 39; 41; B.2; figures: 2(d); 12; 31.

Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
		Family members: AU 2009217934 -- AU 2013201428 CN ZL201310149429.2 -- CN ZL201310149574.0 ID IDP000040112 JP 5440804 -- JP 5648223 -- JP 5648224 KR 1503133 -- KR 1503655 MY MY-152769-A -- MY MY-173292-A RU 2454794 -- RU 2543553 SG 102014011925 -- SG 163819 -- SG 188821 TW 1399043 -- TW 1506963 US 8176384 VN 13666		
SAM15	EP 3468073	Family members: AT BE BG CH CY CZ DE DK EE EP ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR	3	1, 3.1, 3.2, 4, 4.1, 7, 7.1, 7.2.3, 7.2.3.1, 7.2.3.2, 8, 8.0, 8.3, 8.3.0, 8.3.2, 8.3.6.3.2 and 8.3.6.3.3
SON01³	EP 1931097	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL PL PT RO SE SK TR	5	4.2; 8.3.2; 8.5; tables: 48; 52; 53(c); figures: 2(e); 46(c)
	EP 2247055	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL PL PT RO SE SK TR	4	4.2; 7.2.1; 8.3.2; 8.5; tables: 19(a); 48; 52; 53(c); figures: 2(e); 46(c)
SON02³	EP 2056468	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; figures: 2(e)
	EP 2056470	EP countries: AT BG DE ES FR GB HU IT NL NO PL PT RO SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(e); figures: 1, 2(e); 46(e)
SON03³	EP 2056467	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(f); figures: 2(e); 46(f)
SON04³	EP 2056471	EP countries: AT BE CH CZ DE DK ES FI FR GB GR HU IE IT NL NO PL PT SE SK TR	1	4.2 ; 8.3.2; 8.5; tables: 48; 52; 53(a); figures: 2(e); 46(a)

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Family code	Reference patent	Family details	Exemplary Claim(s)	Sections of ETSI 302 755
SON05 ³	EP 2056550	EP countries: AT BE CZ DE DK ES FI FR GB HU IT NL NO PL RO SE SK TR	1	4.2; 6.1; 6.1.2; 6.1.2.1; 6.2.0; 7.3.3.0; 8.3.2; 8.5; Annex A; tables: 8(a); 11; 48; 52; A.1 to A.6; figures: 2(d); 2(e); 2(f); 12
	EP 2056464	EP countries: AT DE ES FR GB HU IT NL NO PL RO SK TR	6	4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.3; 6.2.0; 7.3.3.0; 8.3.2; 8.5; tables: 11; 48; 52; 53(f), A.1; figures: 2(d); 2(e); 12; 46(f)
SON06 ³	EP 2333967	EP countries: AT BE BG CH CZ DE DK ES FI FR GB GR HU IT NL NO PL PT RO SE SK TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(d); figures: 2(e); 46(d)
	EP 2056476	EP countries: DE ES FR GB NL TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(b); figures: 2(e); 46(b)
	EP 2056478	EP countries: DE FR GB IT NL TR	1	4.2; 8.3.2; 8.5; tables: 48; 52; 53(c); figures: 2(e); 46(c).
SON07 ³	EP 2214318	EP countries: AT DE ES FR GB HU IT NL PL PT RO SE SK TR	6	3.1; 3.3; 4.1; 4.2; 4.4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.3; 6.2.0; 6.2.1; 6.2.2; 10.1.1; Annex A; tables: 6(a); 8(a); 9; 11; 12; 13(c); A.3; figures: 1, 2(d), 12, 13, 94(a).
	EP 2214321	EP countries: DE ES FR GB IT NL TR	9	3.1, 6.1.0, 6.1.2.1, 6.2.0 and Annex A
	EP 2509270	EP countries: AT DE ES FR GB HU IT NL PL PT RO SE SK TR	5	1; 3.3; 4.2; 6.1.0; 6.1.2.1; Annex A tables: 6(a); 8(a); A.3; figure: 12
SON08 ³	EP 2214319	EP countries: DE FR GB NL	1	2.2; 3.2; 4.4.2; 6.1.0; 6.1.2.0; 6.1.2.1; 6.1.3; 6.2.0; 6.2.1; 6.2.2, 10.1.1; tables: 6(a); 8(a); 9 through 12; figures: 13, 94(a).
	EP 2237432	EP countries: DE FR GB NL	14	1, 2, 2.2, 3, 3.1, 3.2, 3.3, 4, 4.1, 4.2, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.0, 6.1.2.1, 6.1.2.2, 6.1.3, 6.2, 6.2.0, Annex C, C.1 and C.1.1.
SON09 ³	EP 2237429	EP countries: DE FR GB NL SK TR	7	1, 3, 3.1, 3.2, 3.3, 4, 4.1, 4.2, 6, 6.1, 6.1.0, 6.1.2, 6.1.2.0, 6.1.2.1, 6.1.2.2, 6.1.3 and Annex C, C.1 and C.1.1.
SON10 ³	EP 3429084	EP countries: DE ES FR GB HU IT NL PL SE TR	7	4.1; 4.2; 6.1.0; 7.1; 7.2.2; 7.2.3.0; 7.3.1.2; 7.3.2.1; 7.3.2.2; 7.3.2.5; 7.3.2.6; 8.0; 8.3.0; 9.0; C.1.1; figures: 1; 2(d); 12; 24; 25; 30; 32; C.2.
TDF01	EP 0820172 (expired)	EP countries: DE ES GB IT NL SE	5	3.1, 4.1, 4.2, 9, 9.1, 9.2.1, 9.2.3, 9.2.3.1, 9.2.3.2, 9.2.4.3, 9.2.6.2, 9.2.7.2, 9.2.8, Annex C