

DVB-S2X LICENSING PROGRAM - PATENT BROCHURE

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Patent Owner	Family Code	Patent Number	Claim(s)	Sections of the DVB-S2X standard related to exemplary patents
DTV Licensing	DTV01X	EP 1738586 (DE FR GB)	1	EN 302 307-2 : Sections 4.2; 5.1.8; Annex E
		US 7412209	1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
		US 7460832	15	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
		US 7551736	1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
	DTV02X	EP 1741199 (DE ES FR GB IT)	1	EN 302 307-2 : Sections 4.2; 5.1.8; Annex E
		US 8406425	1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
	DTV03X	US 9060369	1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
ESA - THE EUROPEAN SPACE AGENCY	ESA01X	US 7123663	1	EN 302 307-1: Sections 1, 5.4, 5.4.3, 5.4.4, Annex J; Figures 11, 12; Table 10. EN 302 307-2: Sections 5.4, 5.4.2, 5.4.3, 5.4.4, 6; Figures 5, 6, 7, 8, 9; Tables 10a, 10b, 11a, 11b, 11c, 11d, 11e, 12a, 12b, 12c, 12d, 12e, 20a. Section 5.4.5; Figures 10, 11, 12; Tables 13a, 13b, 13c, 13d, 13e, 13f
FRAUNHOFER-GESELLSCHAFT	FRA01X	EP 2976848 (CZ DE ES FR GB IT NL PL TR)	1	EN 302 307-2: Sections 4.3, E.1, E.2, E.2.1, E.3.6, E.3.6.1, E.3.6.3, E.3.6.3.2, E.3.6.4, E.3.6.6
		HK 1219824		
HUGHES NETWORK SYSTEMS	HUG01X	US 8887024	1	EN 302 307-1: Sections 1, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2; Fig 6; Tables 5a, 5b, 7a, 7b EN 302 307-2: Sections 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, Annex B; Tables 8a, 8b, 8c, B.1-B.10
		US 9246634	1	EN 302 307-2: Sections 1, 4.0, 4.1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		US 9294131	1	EN 302 307-2: Sections 1, 4.0, 4.1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
	HUG02X	US 8964896	1, 7	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, 5.1, and 5.5
	HUG03X	US 8929400	1	EN 302 307-2: Sections 3.2, 4.0, 4.1, 4.3, 5.3, 5.4, 5.5, 5.6
		US 9143277	1	EN 302 307-2: Sections 3.2, 4.0, 4.1, 4.3, 5.3, 5.4, 5.5, 5.6
RAI - RADIOTELEVISIONE ITALIANA	RAI01X	EP 3044897 (AT BG BE CH CZ DE DK EE ES FI FR)	2, 13	EN 302 307-1: 3, 3.2, Annex D.2, Annex D.3 EN 302 307-2: 2, 2.1, 5, 5.1, 5.1.8, 5.1.8.1, 5.1.8.2, Annex D.1, Annex D.1.1

Patent Owner	Family Code	Patent Number	Claim(s)	Sections of the DVB-S2X standard related to exemplary patents
		GB HR HU IE IT LU NL PL RO SE SI SK TR)		
		US 9883256	2, 14	EN 302 307-1: Sections 4.2, D.2; Figures 1, D.2 EN 302 307-2: Sections 4.3, 5, 5.1, 5.1.1, 5.1.8.1, 5.1.8.2, 5.1.8.3, D.1.1; Figures 2, 3; Table 1
		US 10237630	2, 15	EN 302 307-1: Sections 4.2 and D.2; Figures 1 and D.2. EN 302 307-2: Title; Sections 4.3, 5, 5.1, 5.1.1, 5.1.8.1, 5.1.8.2, 5.1.8.3, D.1.1; Figures 2 and 3; Table 1
		BR 112016005141-6		
		CN 201910478782.2		
		CN ZL201480049347.3		
		HK 1226884		
		IN 459603		
		KR 102283414		
		RU 2658677		
		RU 2681644		
	RAI02X	EP 3025438 (DE ES FR GB IT PL TR)	1, 11	ETSI EN 302 307-2: Introduction, 2.1, 5.1.8.1, 5.1.8.2; Annexes D.1.1; Figure 2. ETSI EN 302 307-1: Introduction; Annex D.3.
		US 10651924	1, 2, 21, 22	ETSI EN 302 307-1: Introduction; Section 4.2. ETSI EN 302 307-2: Sections 4.3, 5.1, 5.1.8.1, 5.1.8.2, 5.1.8.3; Figures 2 and 3; Table 1.
		BR 112016001538-0		
		CN 105659510		
		HK1225437		
		IN 510651		
		KR 102164445		
		RU 2660941		
	RAI03X	EP 2828997 (DE ES FR GB IT)	2, 7	ETSI EN 302 307-2: Clauses 4.2, 4.3, 5.1.5, 5.1.6, 5.3, 5.4, Annexes E.3.4, E.3.4.1, E.3.5.1; Figures E.6, E.8; Table 1. ETSI EN 302 307-1: Clauses 4.2, 5.1.5, 5.1.6, 5.3, 5.4; Figures 1, 3, 6
		HK 1206514		
		IL 234189a		
SONY	SON01X	EP 2660983 (DE FR GB NL)	12	ETSI EN 302 307-1: Sections: 1, 3.2, 4, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2 ETSI EN 302 307-2: Sections: 5.3, 5.3.2.2, Annex C
ST ENGINEERING IDIRECT	STE01X	EP 2957084 (BE DE DK ES FR GB IT LU PL SE TR)	1, 4	EN 302 307-1: Sections 5.3, 5.4, 5.4.4, 5.6 EN 302 307-2: Sections 4.3, 5.3, 5.4, 5.4.4, 5.6

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		EP 3206354 (BE DE DK ES FR GB IT LU PL SE TR)	1	EN 302 307-1: Sections 1, 5.3, 5.4, 5.4.4, 5.5, 5.6, D.1, D.1.2, Annex G EN 302 307-2: Sections 4, 4.1, 4.2, 4.3, 5, 5.1, 5.1.8, 5.1.8.2, 5.1.8.3, 5.3, 5.4, 5.4.4, 5.6
		US 9306791	1, 2	EN 302 307-1: Sections 4.2, 5.4.3, 5.4.4; Tables 9 and 10; and Figures 1, 11 and 12 EN 302 307-2: Sections 4.3, 5.4, 5.4.3, 5.4.4, 5.4.5, 5.4.6, and 5.4.7; Tables 1, 11a-e, 12a-e, 13a-f, 14a-b, 15a-d; and Figures 6-15
		HK 1239986		
	STE02X	EP 2073400 (BE DE FR GB IT NL)	5, 9	EN 302 307-1: Sections 1, 4.2, 5.5.2, 5.5.2.2, Annex M, M.2, M.2.5 EN 302 307-2: Sections 5.5, 5.5.2, 5.5.2.2, 5.5.2.4, Annex M, M.2.3, M.2.4
	STE03X	EP 3830978 (BE DE DK ES FR GB IT LU LV PL SE SI SK TR)	1	EN 302 307-1: Sections 5.3, 5.5 EN 302 307-2: Annex E (E.2, E.3.7)
		EP 3968543 (AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI)		EN 302 307-1: Sections 5.3, 5.5 EN 302 307-2: Annex E (E.2, E.3.7)
		CN 112514284		
		CN 115459832		
		HK 40042813		
		HK 40070848		
		IL 280532		
		RU 2756688		
		US 11368208		EN 302 307-2: 4.0, 4.1, 4.2, 4.3, 5.3, 5.4, and Annex E
		ZA 2021/01203		
WORK MICROWAVE	WMW01X	DE 102012101802	1, 10	EN 302 307-1: Clauses 4.2, 5.5, 5.5.2, Annex M, M.2, M.2.1, M.2.5 EN 302 307-2: Title, Clauses 4.2, 5.5, 5.5.2, Annex E, E.3.6.3.1, E.3.6.3.4, M, M.2, M.2.1, M.2.5
		EP 2605431 (DE FR GB LU)	7, 8	EN 302 307-1: Clauses 4.2, 5.5, 5.5.2, Annex M, M.2, M.2.1, M.2.5 EN 302 307-2: Title, Clauses 4.2, 5.5, 5.5.2, Annex E, E.3.6.3.1, E.3.6.3.4, M, M.2, M.2.1, M.2.5