

DVB-S2X LICENSING PROGRAM - PATENT TECHNICAL COVERAGE

The information below is provided for the convenience of the parties interested in a license under the Patents of Sisvel’s DVB-S2X Licensing Program, and it is not intended to be exhaustive or restrictive. The versions of the technical specifications indicated below are exemplary, and previous or subsequent versions of such specifications may also be relevant. Please note that the listed patent families may be essential to separate specifications and/or sections in addition to those disclosed below and claims other than those mentioned may be relevant as well.

Please also note that the license offered may include patent applications and/or patents that are not (yet) listed in this document, as they still may be in prosecution or under evaluation for essentiality. This document may also include patents that may have lapsed/expired or may lapse/expire during the terms of any license offer, which only require royalties for past use during the corresponding terms of such patents.

Family Code	Reference patent	Family Members	Exemplary Claim(s)	Relevant Sections of the DVB-S2X Standard (ETSI EN 302 307-2 v1.1.1)
DTV01X	EP 1738586		1	EN 302 307-2 : Sections 4.2; 5.1.8; 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
	US 7412209		1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
		DE (EP) 1738586		
		FR (EP) 1738586		
		GB (EP) 1738586		
DTV02X	EP 1741199		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
		DE (EP) 1741199		
		ES (EP) 1741199		
		FR (EP) 1741199		
		GB (EP) 1741199		

		IT (EP) 1741199		
DTV03X	US 9060369		1	EN 302 307-2: Sections 1, 4.1, 4.2, 4.3, and Annex E
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
FRA01X	EP 2976848		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
		CZ (EP) 2976848		
		DE 60 2014 004 634.7		
		ES 2605885		
		FR (EP) 2976848		
		GB (EP) 2976848		
		CZ (EP) 2976848		
		DE 60 2014 004 634.7		
		ES 2605885		
		FR (EP) 2976848		
		GB (EP) 2976848		
		HK 1219825		
		IT (EP) 2976848		
		NL (EP) 2976848		
	PL (EP) 2976848			
	TR (EP) 2976848			
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
RAI01X	EP 3044897		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
	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
		AT (EP) 3044897		
		BG (EP) 3044897		
		CH (EP) 3044897		
		CN ZL201480049347.3		
		CN 201910478782.2		
		CZ (EP) 3044897		
		DE (EP) 3044897		
		DK (EP) 3044897		
		EE (EP) 3044897		
		ES (EP) 3044897		
		FI (EP) 3044897		
		FR (EP) 3044897		
		GB (EP) 3044897		
		HK 1226884		
		HR (EP) 3044897		
		HU (EP) 3044897		
		IE (EP) 3044897		
	IT (EP) 3044897			
	KR 102283414			

		LU (EP) 3044897		
		NL (EP) 3044897		
		PL (EP) 3044897		
		RO (EP) 3044897		
		RU2658677		
		RU 2681644		
		SE (EP) 3044897		
		SI (EP) 3044897		
		SK (EP) 3044897		
		TR (EP) 3044897		
RAI02X		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.
RAI03X	EP 2828997		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
		DE (EP) 2828997		
		ES (EP) 2828997		
		FR (EP) 2828997		
		GB (EP) 2828997		
		IT (EP) 2828997		
SON01X	EP 2660983		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
		DE (EP) 2660983		
		FR (EP) 2660983		
		GB (EP) 2660983		
		NL (EP) 2660983		

STE01X	EP 2957084		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
	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
		BE (EP) 2957084		
		BE (EP) 3206354		
		DE 60 2014 008 299.8		
		DE 60 2014 030 700.0		
		DK (EP) 2957084		
		DK (EP) 3206354		
		ES 2629907		
		ES 2696928		
		FR (EP) 2957084		
		FR (EP) 3206354		
		GB (EP) 2957084		
		GB (EP) 3206354		
		HK 1239986		
		IT (EP) 2957084		
		IT (EP) 3206354		
		LU (EP) 2957084		
		LU (EP) 3206354		
		PL (EP) 2957084		
		PL (EP) 3206354		
		SE (EP) 2957084		
		SE (EP) 3206354		
	TR (EP) 2957084			
	TR (EP) 3206354			

STE02X	EP 2073400		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
		BE (EP) 2073400		
		DE 60 2008 012 306.5		
		FR (EP) 2073400		
		GB (EP) 2073400		
		IT (EP) 2073400		
		NL (EP) 2073400		
WMW01X	DE 10 2012 101 802		1, 10	EN 302 307-1: Clauses 4.2, 5.5, 5.5.2, Annex M, M.2, M.2.1, M.2.5
	EP 2605431		7, 8	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
		DE (EP) 2605431		
		FR (EP) 2605431		
		GB (EP) 2605431		
		LU (EP) 2605431		