

## DVB-S2 LICENSING PROGRAM - PATENT BROCHURE

---

The information below is provided for the convenience of the parties interested in a license under the Sisvel DVB-S2 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 patents 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 brochure includes patents that may have lapsed/expired as of the date of the publication of this brochure 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. The existence of patents being lapsed/expired during the term of a license agreement has been accounted in the rates offered under any of the relevant license offers.

Patent Owner	Family Code	Patent Number	Claim(s)	Sections of ETSI 302 307-1 related to exemplary patents
DTVG Licensing, LLC	DTV01	EP 1513258 (BE CH DE DK ES FI FR GB IT LU NL)	1	4.2, 5.3, C.5
		US 7334181	6	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		US 7673226	1	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		CA 2579599		
		CA 2579629		
		HK 1076673		
		KR 10-0619206		
	DTV02	EP 1528686 (BE CH DE DK FI FR GB IT LU NL)	1	5.3, B.1, B.2, C.3
		US 7376883	1	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, Annex B, and Annex C
		CA 2486048		
		JP 3990396		
		KR 10-0686660		
	DTV03	EP 1661350 (DE ES FR GB)	1	4.2, 5.4, 5.5 (5.5.2, 5.5.3, 5.5.4)
		US 7403574	1	1, 4.2, 4.3, 5.5, and 5.5.4
		AU 2004302831		
		BR PI0413851-1		
		CA 2535844		
		IL 173491		
		KR 100763743		
		MX 263721		

Patent Owner	Family Code	Patent Number	Claim(s)	Sections of ETSI 302 307-1 related to exemplary patents
	DTV04	EP 2144395 (DE FR GB NL)	1	4.2; 5.5
		JP 4851424		
		KR 10-0741629		
	DTV05	US 7237174	1	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		US 7461325	1, 24	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		US 7856586	1	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, 5.3.2.2, and Annex C
		CA 2480208		
		CA 2685463		
		JP 3936354		
		KR 10-0683084		
	DTV06	EP 2190123 (AT CH CZ DE DK ES FI FR GB IT NL SE SK)	1	4.2; 5.3, B4, B7, B9
		EP 2273683 (AT CH CZ DE DK ES FI FR GB IT NL SE SK)	1	4.2, 5.3, B5, B8, B10
		US 7954036	1	1, 4.2, 4.3, 5.3, 5.3.2, 5.3.2.1, and Annex B
		US 8102947	27	1, 4.2, 4.3, 5.3.2, 5.3.3, and 5.4
		CA 2456485		
		CN 2003800849.1		
		CN 2003800852.1		
		HK 1069933		
		HK 1073186		
		JP 3836859		
		KR 10-0683600		
The European Space Agency (ESA)	ESA01	US 7123663	1	1, 3.1, 5.4, 5.4.3, 5.4.4, 6, Annex J; Figures 11, 12; Tables 9, 10, 13
ST Engineering iDirect (Europe) CY N.V.	STE01	EP 2073400 (E DE FR GB IT NL)	5, 9	1, 4.2, 5.5.2, 5.5.2.2, Annex M, M.2, M.2.5
RAI – Radiotelevisione Italiana S.p.A.	RAI01	EP 1408637 (BE CH DE DK ES FR IE NL SE)	1, 4	1, 4.1, 4.2, 4.5, 4.5.1, 5.1.1, 5.1.3, D.3
		US 7607154	1, 2	1, 4.1, 4.2, 4.3, 4.4.2.1, 5.1, 5.1.1, 5.1.3, 5.5.2 and Annex D
WORK Microwave GmbH	WMW01	EP 2605431 (DE FR GB LU)	7, 8	4.2, 5.5, Annex M