PATENT STATEMENT AND LICENSING DECLARATION FORM FOR
ITU-T OR ITU-R RECOMMENDATION | ISO OR IEC DELIVERABLE

**Patent Statement and Licensing Declaration
for ITU-T or ITU-R Recommendation │ ISO or IEC Deliverable**

This declaration does not represent an actual grant of a license

Please return to the relevant organization(s) as instructed below per document type:

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Patent Holder:

Legal Name	Nokia Technologies Oy

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URL (optional)	

Document type:

☐ **ITU-T Rec. (*)** ☐ **ITU-R Rec. (*)** ☐ **ISO Deliverable (*)** ☐ **IEC Deliverable (*)**
(please return the form to the relevant Organization)

[X] **Common text or twin text (ITU-T Rec. | ISO/IEC Deliverable (*))** (for common text or twin text, please return the form to each of the three Organizations: ITU-T, ISO, IEC)

☐ **ISO/IEC Deliverable (*)** (for ISO/IEC Deliverables, please return the form to both ISO and IEC)

(*)Number	ITU-T: H.266 ISO/IEC 23090-3
(*)Title	ITU-T: Versatile Video Coding ISO/IEC 23090-3: Information technology – Coded representation of immersive media – Part 3: Versatile video coding

Licensing declaration:

The Patent Holder believes that it holds granted and/or pending applications for Patents, the use of which would be required to implement the above document and hereby declares, in accordance with the Common Patent Policy for ITU-T/ITU-R/ISO/IEC, that (check <u>one</u> box only):

☐ 1. The Patent Holder is prepared to grant a <u>Free of Charge</u> license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and under other reasonable terms and conditions to make, use, and sell implementations of the above document.
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Also mark here __ if the Patent Holder's willingness to license is conditioned on <u>Reciprocity</u> for the above document.
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Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO, or IEC.
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☐ 3. The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.
In this case, the following information must be provided to ITU, ISO and/or IEC as part of this declaration:
- granted patent number or patent application number (if pending);
- an indication of which portions of the above document are affected;
- a description of the Patents covering the above document.

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<u>Reciprocity</u>: The word "Reciprocity" means that the Patent Holder shall only be required to license any prospective licensee if such prospective licensee will commit to license its Patent(s) for implementation of the same above document Free of Charge or under reasonable terms and conditions.

<u>Patent</u>: The word "Patent" means those claims contained in and identified by patents, utility models and other similar statutory rights based on inventions (including applications for any of these) solely to the extent that any such claims are essential to the implementation of the same above document. Essential patents are patents that would be required to implement a specific Recommendation | Deliverable.

<u>Assignment/transfer of Patent rights</u>: Licensing declarations made pursuant to Clause 2.1 or 2.2 of the Common Patent Policy for ITU-T/ITU-R/ISO/IEC shall be interpreted as encumbrances that bind all successors-in-interest as to the transferred Patents. Recognizing that this interpretation may not apply in all jurisdictions, any Patent Holder who has submitted a licensing declaration according to the Common Patent Policy - be it selected as option 1 or 2 on the Patent Declaration form - who transfers ownership of a Patent that is subject to such licensing declaration shall include appropriate provisions in the relevant transfer documents to ensure that, as to such transferred Patent, the licensing declaration is binding on the transferee and that the transferee will similarly include appropriate provisions in the event of future transfers with the goal of binding all successors-in-interest.

	Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))			
No.	**Status** [granted/ pending]	**Country**	**Granted Patent Number or** **Application Number (if pending)**	**Title**
1	Granted	JP	6644903	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
2	Granted	US	10863182	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
3	Pending	EP	17769511.1	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
4	Pending	IN	201847035681	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
5	Pending	KR	2018-7030567	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
6	Pending	VN	1-2018-04652	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
7	Pending	AU	2017236196	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
8	Pending	CN	201780017098.3	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
9	Pending	MX	MX/a/2018/011085	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))				
10	Pending	PH	1-2018-502011	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
11	Granted	ID	PID201806180	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
12	Pending	US	17/267174	METHOD AND APPARATUS FOR NON-BINARY PROFILE CONSTRAINT SIGNALING FOR VIDEO CODING
13	Pending	CN	201980060905.9	METHOD AND APPARATUS FOR NON-BINARY PROFILE CONSTRAINT SIGNALING FOR VIDEO CODING
14	Pending	IN	202147016442	METHOD AND APPARATUS FOR NON-BINARY PROFILE CONSTRAINT SIGNALING FOR VIDEO CODING
15	Pending	EP	19861542.9	METHOD AND APPARATUS FOR NON-BINARY PROFILE CONSTRAINT SIGNALING FOR VIDEO CODING
X	Check here if additional patent information is provided on additional pages.			

NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.

Signature (include on final page only):		
Patent Holder	**Nokia Technologies Oy**	
Name of authorized person	**Jan Sandström**	**Ingrid Viitanen**
Title of authorized person	**Authorized Signatory**	**Authorized Signatory**
Signature	*Jan Sandström* Jan Sandström (Apr 27, 2021 10:43 GMT+3)	*Ingrid Viitanen* Ingrid Viitanen (Apr 29, 2021 00:28 GMT+3)
Place, Date	**Espoo, Finland April 27, 2021**	

FORM version: 2 November 2018

Additional pages:

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
16	Pending	WO	PCT/FI2019/0509 25	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
17	Pending	WO	PCT/FI2019/0508 93	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
18	Pending	WO	PCT/FI2020/0503 44	AN APPARATUS AND A METHOD FOR VIDEO CODING AND DECODING
19	Pending	WO	PCT/FI2020/0503 40	AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO ENCODING AND DECODING
20	Granted	CA	2542026	RANDOM ACCESS POINTS IN VIDEO ENCODING
21	Granted	CA	2483293	RANDOM ACCESS POINTS IN VIDEO ENCODING
22	Granted	CN	ZL200610004108 .3	RANDOM ACCESS POINTS IN VIDEO ENCODING
23	Granted	CN	ZL03809615.3	RANDOM ACCESS POINTS IN VIDEO ENCODING
24	Granted	DE	60344114.9	RANDOM ACCESS POINTS IN VIDEO ENCODING
25	Granted	FR	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
26	Granted	GB	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
27	Granted	ID	ID0028452	RANDOM ACCESS POINTS IN VIDEO ENCODING
28	Granted	ID	ID0021561	RANDOM ACCESS POINTS IN VIDEO ENCODING
29	Granted	IE	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
30	Granted	IT	50201390217772 6	RANDOM ACCESS POINTS IN VIDEO ENCODING

31	Granted	JP	4468800	RANDOM ACCESS POINTS IN VIDEO ENCODING
32	Granted	KR	0972403	RANDOM ACCESS POINTS IN VIDEO ENCODING
33	Granted	NL	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
34	Granted	RO	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
35	Granted	US	7826531	RANDOM ACCESS POINTS IN VIDEO ENCODING
36	Granted	US	7760802	RANDOM ACCESS POINTS IN VIDEO ENCODING
37	Granted	US	7302001	RANDOM ACCESS POINTS IN VIDEO ENCODING
38	Granted	KR	0973518	RANDOM ACCESS POINTS IN VIDEO ENCODING
39	Granted	EP	1500280	RANDOM ACCESS POINTS IN VIDEO ENCODING
40	Granted	CA	2492751	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
41	Granted	CN	ZL200810003744.3	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
42	Granted	HK	1123653	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
43	Granted	ID	IDP0034017	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
44	Granted	IN	218817	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
45	Granted	JP	4695129	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
46	Granted	KR	0754419	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
47	Granted	MX	294337	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING

48	Granted	MX	269004	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
49	Granted	US	8300690	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
50	Pending	EP	17151577.8	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
51	Pending	HK	17111432.4	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
52	Pending	CN	03816727.1	METHOD FOR RANDOM ACCESS AND GRADUAL PICTURE REFRESH IN VIDEO CODING
53	Granted	GB	1747673	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
54	Granted	AU	2005242601	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
55	Granted	CN	ZL200580020890.1	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
56	Granted	EP	1747673	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
57	Granted	KR	0995968	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
58	Granted	JP	5247901	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
59	Granted	DE	602005036678.4	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
60	Granted	NL	1747673	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
61	Granted	KR	878058	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION

62	Granted	IN	280142	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
63	Granted	MY	MY-149194-A	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
64	Granted	TW	I423677	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
65	Pending	US	10/844676	MULTIPLE INTEROPERABILITY POINTS FOR SCALABLE MEDIA CODING AND TRANSMISSION
66	Granted	DE	602005053299.4	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
67	Granted	CN	ZL200580034316.1	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
68	Granted	EP	1784986	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
69	Granted	HK	1105499	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
70	Granted	IN	316165	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
71	Granted	MY	MY-161138-A	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
72	Granted	TW	I437886	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
73	Granted	US	9560367	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
74	Pending	TH	0501004149	PARAMETER SET AND PICTURE HEADER IN VIDEO CODING
75	Granted	MY	MY-145660-A	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
76	Granted	HK	1114522	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
77	Granted	US	8259800	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
78	Granted	AU	2006233279	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA

79	Granted	BR	PI0610398-7	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
80	Granted	CN	ZL200680018046.X	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
81	Granted	ID	IDP000038512	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
82	Granted	JP	4903195	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
83	Granted	MX	276645	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
84	Granted	PH	1-2007-502260	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
85	Granted	RU	2377735	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
86	Granted	SG	136543	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
87	Granted	KR	0931870	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
88	Granted	TW	I383682	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
89	Granted	EP	1869888	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
90	Granted	IN	323826	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
91	Granted	VN	12419	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
92	Granted	GB	1869888	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA

93	Granted	NL	1869888	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
94	Granted	DE	602006049518.8	METHOD, DEVICE AND SYSTEM FOR EFFECTIVELY CODING AND DECODING OF VIDEO DATA
95	Granted	US	8077991	SPATIALLY ENHANCED TRANSFORM CODING
96	Granted	US	US10536711	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
97	Granted	NL	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
98	Granted	DE	602009061785.0	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
99	Granted	IT	502020000076138	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
100	Granted	GB	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
101	Granted	FR	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
102	Granted	ES	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
103	Granted	IE	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
104	Granted	EP	2266318	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
105	Granted	US	9300978	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
106	Granted	US	9936220	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING

107	Pending	US	16/741166	COMBINED MOTION VECTOR AND REFERENCE INDEX PREDICTION FOR VIDEO CODING
108	Pending	EP	19171631.5	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
109	Granted	DE	602011058498.7	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
110	Granted	GB	2522144	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
111	Granted	EP	2522144	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
112	Granted	KR	1545382	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
113	Granted	TW	I533667	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
114	Granted	US	8724692	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
115	Pending	CN	201180011248.2	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
116	Pending	IN	6834/CHENP/2012	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
117	Pending	TH	1101000017	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
118	Granted	US	9948937	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
119	Granted	US	US10212433	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
120	Granted	US	US10666956	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING

121	Granted	US	9736486	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
122	Granted	CN	ZL201180017741.5	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
123	Granted	TW	I562600	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
124	Granted	IN	356246	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
125	Granted	KR	1464057	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
126	Pending	US	16/882199	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
127	Pending	TH	1101000171	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
128	Pending	EP	11739487.4	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING
129	Granted	DE	602011061847.4	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
130	Granted	FR	2599315	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
131	Granted	GB	2599315	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
132	Granted	US	9036701	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
133	Granted	CA	2806523	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
134	Granted	CN	ZL201180043883.9	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING

135	Granted	EP	2599315	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
136	Granted	VN	19940	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
137	Granted	KR	1638300	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
138	Pending	BR	112013002029.6	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
139	Pending	IN	1484/CHENP/2013	METHOD AND APPARATUS FOR PROVIDING COMPLEXITY BALANCED ENTROPY CODING
140	Pending	EP	12731927.5	MOTION PREDICTION IN VIDEO CODING
141	Granted	US	US9877037	MOTION PREDICTION IN VIDEO CODING
142	Granted	US	US10523960	MOTION PREDICTION IN VIDEO CODING
143	Granted	CN	ZL201280009695.9	MOTION PREDICTION IN VIDEO CODING
144	Granted	IN	338105	MOTION PREDICTION IN VIDEO CODING
145	Granted	RU	2565363	MOTION PREDICTION IN VIDEO CODING
146	Granted	US	9432693	MOTION PREDICTION IN VIDEO CODING
147	Granted	VN	19486	MOTION PREDICTION IN VIDEO CODING
148	Granted	US	9628816	MOTION PREDICTION IN VIDEO CODING
149	Pending	US	16/729974	MOTION PREDICTION IN VIDEO CODING
150	Granted	KR	10-2014332	METHOD FOR VIDEO CODING AND AN APPARATUS
151	Granted	RU	2577181	METHOD FOR VIDEO CODING AND AN APPARATUS
152	Granted	TW	1559745	METHOD FOR VIDEO CODING AND AN APPARATUS
153	Granted	US	US9992511	METHOD FOR VIDEO CODING AND AN APPARATUS
154	Pending	US	15/997175	METHOD FOR VIDEO CODING AND AN APPARATUS
155	Pending	AU	2018202391	METHOD FOR VIDEO CODING AND AN APPARATUS
156	Pending	EP	11874346.7	METHOD FOR VIDEO CODING AND AN APPARATUS

157	Pending	IN	3770/CHENP/2014	METHOD FOR VIDEO CODING AND AN APPARATUS
158	Pending	TH	1201005412	METHOD FOR VIDEO CODING AND AN APPARATUS
159	Granted	US	9743105	METHOD FOR CODING AND AN APPARATUS
160	Granted	US	US10237574	METHOD FOR CODING AND AN APPARATUS
161	Granted	US	US10536714	METHOD FOR CODING AND AN APPARATUS
162	Granted	US	9571833	METHOD FOR CODING AND AN APPARATUS
163	Granted	CA	2854495	METHOD FOR CODING AND AN APPARATUS
164	Granted	CN	ZL 201280065777.5	METHOD FOR CODING AND AN APPARATUS
165	Granted	EP	2774375	METHOD FOR CODING AND AN APPARATUS
166	Granted	KR	1717475	METHOD FOR CODING AND AN APPARATUS
167	Granted	RU	2577207	METHOD FOR CODING AND AN APPARATUS
168	Granted	TW	I549493	METHOD FOR CODING AND AN APPARATUS
169	Granted	ZA	2014/04007	METHOD FOR CODING AND AN APPARATUS
170	Granted	GB	2774375	METHOD FOR CODING AND AN APPARATUS
171	Granted	GR	2774375	METHOD FOR CODING AND AN APPARATUS
172	Granted	HR	P20201901	METHOD FOR CODING AND AN APPARATUS
173	Granted	RO	2774375	METHOD FOR CODING AND AN APPARATUS
174	Granted	EE	2774375	METHOD FOR CODING AND AN APPARATUS
175	Granted	NL	2774375	METHOD FOR CODING AND AN APPARATUS
176	Granted	ES	2774375	METHOD FOR CODING AND AN APPARATUS

177	Granted	BE	2774375	METHOD FOR CODING AND AN APPARATUS
178	Granted	CZ	2774375	METHOD FOR CODING AND AN APPARATUS
179	Granted	FR	2774375	METHOD FOR CODING AND AN APPARATUS
180	Granted	IT	502020000113075	METHOD FOR CODING AND AN APPARATUS
181	Granted	PL	2774375	METHOD FOR CODING AND AN APPARATUS
182	Granted	SK	2774375	METHOD FOR CODING AND AN APPARATUS
183	Granted	CH	2774375	METHOD FOR CODING AND AN APPARATUS
184	Granted	AT	2774375	METHOD FOR CODING AND AN APPARATUS
185	Granted	BG	2774375	METHOD FOR CODING AND AN APPARATUS
186	Granted	CY	2774375	METHOD FOR CODING AND AN APPARATUS
187	Granted	DK	2774375	METHOD FOR CODING AND AN APPARATUS
188	Granted	FI	2774375	METHOD FOR CODING AND AN APPARATUS
189	Granted	DE	602012072722.5	METHOD FOR CODING AND AN APPARATUS
190	Granted	IE	2774375	METHOD FOR CODING AND AN APPARATUS
191	Granted	LU	2774375	METHOD FOR CODING AND AN APPARATUS
192	Granted	NO	2774375	METHOD FOR CODING AND AN APPARATUS
193	Granted	PT	2774375	METHOD FOR CODING AND AN APPARATUS
194	Granted	RS	2774375	METHOD FOR CODING AND AN APPARATUS
195	Granted	SI	2774375	METHOD FOR CODING AND AN APPARATUS
196	Granted	SE	2774375	METHOD FOR CODING AND AN APPARATUS

197	Granted	TR	TR202019069	METHOD FOR CODING AND AN APPARATUS
198	Granted	HU	2774375	METHOD FOR CODING AND AN APPARATUS
199	Pending	US	16/741156	METHOD FOR CODING AND AN APPARATUS
200	Pending	IN	4092/CHENP/2014	METHOD FOR CODING AND AN APPARATUS
201	Pending	EP	20200049.3	METHOD FOR CODING AND AN APPARATUS
202	Granted	US	US10587887	REFERENCE PICTURE HANDLING
203	Granted	DE	602012059706.2	REFERENCE PICTURE HANDLING
204	Granted	GB	2777276	REFERENCE PICTURE HANDLING
205	Granted	CN	ZL201280065869.3	REFERENCE PICTURE HANDLING
206	Granted	EP	2777276	REFERENCE PICTURE HANDLING
207	Granted	US	9918080	REFERENCE PICTURE HANDLING
208	Pending	EP	19171620.8	REFERENCE PICTURE HANDLING
209	Pending	US	16/812977	REFERENCE PICTURE HANDLING
210	Pending	EP	13813696.5	METHOD AND APPARATUS FOR VIDEO CODING
211	Granted	AU	2017204114	METHOD AND APPARATUS FOR VIDEO CODING
212	Granted	US	9270989	METHOD AND APPARATUS FOR VIDEO CODING
213	Granted	RU	2612577	METHOD AND APPARATUS FOR VIDEO CODING
214	Granted	KR	1678321	METHOD AND APPARATUS FOR VIDEO CODING
215	Granted	CN	ZL201380044882.5	METHOD AND APPARATUS FOR VIDEO CODING
216	Granted	ID	IDP000047056	METHOD AND APPARATUS FOR VIDEO CODING
217	Pending	EP	14867879.0	VIDEO ENCODING AND DECODING
218	Granted	US	US10230965	VIDEO ENCODING AND DECODING
219	Granted	US	US10652559	VIDEO ENCODING AND DECODING
220	Granted	US	9813722	VIDEO ENCODING AND DECODING

221	Granted	CN	ZL201480073353.2	VIDEO ENCODING AND DECODING
222	Granted	US	US10681360	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
223	Granted	US	US10334260	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
224	Granted	KR	10-2224703	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
225	Granted	RU	2725656	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
226	Granted	CN	ZL201580024598.0	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
227	Granted	CA	2942838	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
228	Pending	EP	15765714.9	APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING
229	Granted	JP	6559337	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO
230	Pending	ID	PID201802847	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO
231	Pending	US	16/746513	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO
232	Pending	IN	201847015101	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO
233	Pending	EP	16848200.8	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO

234	Pending	KR	2018-7011176	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO
235	Pending	CN	201680068065.7	METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR CODING A 360-DEGREE PANORAMIC VIDEO