

PATENT STATEMENT AND LICENSING DECLARATION FORM FOR
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**Patent Statement and Licensing Declaration
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This declaration does not represent an actual grant of a license

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Patent Holder:

Legal Name Hangzhou Hikvision Digital Technology Co.,Ltd

Contact for license application:

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Document type:



ITU-T Rec. (*)



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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)
ITU-T H.266 | ISO/IEC 23090-3

(*)Number _____

(*)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 one box only):

1. The Patent Holder is prepared to grant a Free of Charge 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.

Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO or IEC.

Also mark here if the Patent Holder's willingness to license is conditioned on Reciprocity 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.

Also mark here if the Patent Holder's willingness to license is conditioned on Reciprocity for the above document.

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.

Free of Charge: The words "Free of Charge" do not mean that the Patent Holder is waiving all of its rights with respect to the Patent. Rather, "Free of Charge" refers to the issue of monetary compensation; *i.e.*, that the Patent Holder will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Patent Holder in this situation is committing to not charging any monetary amount, the Patent Holder is still entitled to require that the implementer of the same above document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, warranties, etc.

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Assignment/transfer of Patent rights: 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 or Region	Granted Patent Number or Application Number (if pending)	Title
1	Granted	AU	2020236452B2	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
2	Pending	BR	BR112021017777-9	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
3	Granted	CA	CA3131447C	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
4	Pending	CA	CA3228568	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
5	Pending	EP	EP20770308.3	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
6	Granted	HK	40047425A1	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
7	Granted	HK	40040975A1	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
8	Pending	ID	IDP00202108060	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
9	Granted	IN	IN525584B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
10	Granted	JP	JP7311619B2	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
11	Granted	JP	JP7524422B2	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
12	Granted	KR	KR102619925B1	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
13	Granted	KR	KR102664248B1	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
14	Granted	MO	J005974C	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
15	Pending	MX	MX/a/2021/010608	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
16	Pending	MY	PI2021004905	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
17	Pending	PH	PH12021552066	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
18	Granted	RU	RU2776356C1	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
19	Granted	RU	RU2795586C2	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
20	Granted	SG	11202109366VB	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
21	Pending	TH	2101005356	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
22	Granted	US	US11902563B2	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
23	Pending	VN	1-2021-05735	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
24	Granted	ZA	ZA2021/06161B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
25	Granted	ZA	ZA2022/09597B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
26	Granted	AU	2019416266B2	VIDEO ENCODING AND DECODING
27	Pending	BR	BR112021012638-4	VIDEO ENCODING AND DECODING
28	Granted	CA	CA3124889C	VIDEO ENCODING AND DECODING
29	Pending	CA	CA3214820	VIDEO ENCODING AND DECODING
30	Pending	EP	EP19902594.1	VIDEO ENCODING AND DECODING
31	Granted	HK	40046512A1	VIDEO ENCODING AND DECODING
32	Granted	ID	IDP000088058	VIDEO ENCODING AND DECODING
33	Pending	IN	202127028897	VIDEO ENCODING AND DECODING
34	Granted	JP	JP7360464B2	VIDEO ENCODING AND DECODING
35	Pending	KR	KR10-2021-7019915	VIDEO ENCODING AND DECODING
36	Granted	MO	J006138C	VIDEO ENCODING AND DECODING
37	Pending	MX	MX/a/2021/007710	VIDEO ENCODING AND DECODING
38	Pending	MY	PI2021003630	VIDEO ENCODING AND DECODING
39	Pending	PH	PH12021551503	VIDEO ENCODING AND DECODING
40	Granted	RU	RU2776941C1	VIDEO ENCODING AND DECODING
41	Granted	RU	RU2793275C2	VIDEO ENCODING AND DECODING
42	Pending	SG	11202106972T	VIDEO ENCODING AND DECODING
43	Pending	TH	2101003873	VIDEO ENCODING AND DECODING
44	Granted	US	US11889072B2	VIDEO ENCODING AND DECODING
45	Pending	VN	1-2021-04331	VIDEO ENCODING AND DECODING

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 or Region	Granted Patent Number or Application Number (if pending)	Title
46	Granted	ZA	ZA2021/04449B	VIDEO ENCODING AND DECODING
47	Granted	ZA	ZA2023/00583B	VIDEO ENCODING AND DECODING
48	Pending	CA	CA3142208	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
49	Pending	EP	EP20826332.7	PREDICTION MODE DECODING METHOD AND APPARATUS AND PREDICTION MODE ENCODING METHOD AND APPARATUS
50	Granted	HK	40055705A1	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
51	Pending	ID	IDP00202111950	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
52	Granted	IN	IN543520B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
53	Granted	JP	JP7318014B2	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
54	Pending	JP	JP2023-117746	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
55	Pending	KR	KR10-2021-7039223	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
56	Granted	MO	J006000C	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
57	Pending	MX	MX/a/2021/015759	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
58	Pending	MY	PI2021007045	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
59	Pending	PH	PH12021552955	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
60	Granted	RU	RU2810728C2	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
61	Granted	RU	RU2821332C2	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
62	Pending	SG	11202113105W	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
63	Pending	TH	2101007889	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
64	Pending	US	17/614,141	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
65	Pending	VN	1-2021-07976	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
66	Granted	CA	CA3131035C	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
67	Pending	CA	CA3221507	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
68	Granted	EP	3913917B1	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
69	Granted	HK	40036903A1	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
70	Pending	ID	IDP00202107794	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM

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 or Region	Granted Patent Number or Application Number (if pending)	Title
71	Pending	IN	202117037667	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
72	Granted	JP	JP7286783B2	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
73	Granted	JP	JP7536386B2	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
74	Pending	KR	KR10-2021-7026567	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
75	Granted	MO	J004721C	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
76	Pending	MX	MX/a/2021/010615	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
77	Pending	MY	PI2021004767	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
78	Pending	PH	PH12021552016	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
79	Granted	RU	RU2777923C1	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
80	Granted	RU	RU2795462C2	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
81	Pending	SG	11202109129U	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
82	Pending	TH	2101005105	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM

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 or Region	Granted Patent Number or Application Number (if pending)	Title
83	Pending	US	17/432,887	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
84	Pending	US	18/767,880	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
85	Pending	VN	1-2021-05396	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
86	Pending	CA	CA3139466	VIDEO CODING FOR BIDIRECTIONAL OPTICAL FLOW MODE
87	Pending	EP	EP20827611.3	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
88	Granted	HK	40054476A1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
89	Granted	ID	IDP000093441	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
90	Pending	IN	202127054252	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
91	Granted	JP	JP7334272B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
92	Granted	JP	JP7506234B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
93	Granted	KR	KR102620203B1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
94	Pending	KR	KR10-2023-7045155	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
95	Granted	MO	J004765C	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
96	Pending	MX	MX/a/2021/015977	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
97	Pending	MY	PI2021007014	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
98	Granted	PH	PH12021552964B1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
99	Granted	RU	RU2795888C1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
100	Granted	RU	RU2809504C1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
101	Pending	SG	11202113026S	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
102	Pending	TH	2101007870	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
103	Granted	US	US12075085B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
104	Pending	VN	1-2021-08145	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
105	Pending	CA	CA3139453	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
106	Pending	EP	EP20831928.5	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
107	Granted	HK	40054475A1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
108	Pending	ID	IDP00202111769	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
109	Pending	IN	202127054112	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
110	Granted	JP	JP7311635B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
111	Granted	JP	JP7541599B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
112	Pending	KR	KR10-2021-7038528	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
113	Granted	MO	J004767C	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
114	Pending	MX	MX/a/2021/015939	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
115	Pending	MY	PI2021006968	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
116	Granted	PH	PH12021552965B1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
117	Granted	RU	RU2797353C1	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
118	Pending	RU	RU2023113671	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
119	Pending	SG	11202113037R	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
120	Pending	TH	2101007879	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
121	Granted	US	US12041266B2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
122	Pending	VN	1-2021-08144	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
123	Pending	EP	EP20825445.8	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
124	Granted	HK	40055707A1	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
125	Granted	JP	JP7325553B2	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
126	Pending	JP	JP2023-084090	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
127	Pending	KR	KR10-2021-7043437	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
128	Granted	MO	J006445C	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
129	Granted	MO	J005066C	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
130	Granted	MO	J004986C	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
131	Granted	US	US12075066B2	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
132	Pending	US	18/790,588	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM

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 or Region	Granted Patent Number or Application Number (if pending)	Title
133	Granted	AU	2020354107B2	Encoding and decoding method, device and apparatus
134	Pending	BR	BR112022004621-9	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
135	Pending	CA	CA3149785	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
136	Pending	EP	EP20869844.9	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
137	Granted	HK	40046772A1	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
138	Pending	ID	IDP00202203239	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
139	Pending	IN	202227010526	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
140	Granted	JP	JP7511631B2	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
141	Pending	JP	JP2024-028586	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
142	Granted	KR	KR102699509B1	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
143	Pending	KR	KR10-2024-7028196	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
144	Granted	MO	J004726C	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
145	Pending	MX	MX/a/2022/003168	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
146	Pending	MY	PI2022001118	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
147	Pending	PH	PH12022550507	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
148	Granted	RU	RU2797358C1	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
149	Granted	RU	RU2820848C2	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
150	Pending	SG	11202201966S	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
151	Pending	TH	2201001563	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
152	Pending	US	17/753,341	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
153	Pending	VN	1-2022-01625	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
154	Pending	ZA	ZA2022/02505	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
155	Pending	ZA	ZA2022/12951	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
156	Pending	EP	EP20864976.4	DECODING METHOD AND APPARATUS, ENCODING METHOD AND APPARATUS, AND DEVICE
157	Granted	HK	40061807A1	DECODING METHOD AND APPARATUS, ENCODING METHOD AND APPARATUS, AND DEVICE
158	Granted	MO	J006065C	DECODING METHOD AND APPARATUS, ENCODING METHOD AND APPARATUS, AND DEVICE
159	Granted	US	US12028543B2	DECODING METHOD AND APPARATUS, ENCODING METHOD AND APPARATUS, AND DEVICE
160	Granted	HK	40046510A1	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
161	Granted	JP	JP7419511B2	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
162	Pending	JP	JP2024-001379	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
163	Granted	KR	KR102696722B1	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR

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 or Region	Granted Patent Number or Application Number (if pending)	Title
164	Pending	KR	KR10-2024-7027292	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
165	Granted	MO	J005723C	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
166	Pending	US	17/766,217	ENCODING AND DECODING MEHTOD AND APPARATUS, AND DEVICES THEREFOR
167	Pending	HK	42021036539	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
168	Granted	JP	JP7527359B2	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
169	Pending	JP	JP2024-060914	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
170	Pending	KR	KR10-2022-7010788	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
171	Granted	MO	J005490C	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
172	Granted	MO	J005491C	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
173	Pending	US	17/766,210	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICES
174	Granted	HK	40046509A1	ENCODING METHOD AND APPARATUS, DECODING METHOD AND APPARATUS, AND DEVICES THEREFOR
175	Granted	MO	J005905C	ENCODING METHOD AND APPARATUS, DECODING METHOD AND APPARATUS, AND DEVICES THEREFOR
176	Granted	US	US11962768B2	ENCODING METHOD AND APPARATUS, DECODING METHOD AND APPARATUS, AND DEVICES THEREFOR
177	Granted	HK	40037848A1	DECODING METHOD AND APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
178	Granted	MO	J004839C	DECODING METHOD AND APPARATUS
179	Pending	EP	EP20770744.9	METHOD FOR CONSTRUCTING MOTION INFORMATION CANDIDATE LIST AND TRIANGULAR PREDICTION DECODING METHOD AND APPARATUS
180	Granted	HK	40037849A1	METHOD FOR CONSTRUCTING MOTION INFORMATION CANDIDATE LIST AND TRIANGULAR PREDICTION DECODING METHOD AND APPARATUS
181	Granted	MO	J004766C	METHOD FOR CONSTRUCTING MOTION INFORMATION CANDIDATE LIST AND TRIANGULAR PREDICTION DECODING METHOD AND APPARATUS
182	Granted	US	US11863714B2	METHOD FOR CONSTRUCTING MOTION INFORMATION CANDIDATE LIST AND TRIANGULAR PREDICTION DECODING METHOD AND APPARATUS
183	Granted	MO	J004722C	Encoding and decoding method, encoding device, decoding device and system
184	Pending	EP	EP19901742.7	VIDEO ENCODING, AND VIDEO DECODING
185	Granted	US	US11570447B2	VIDEO CODING AND VIDEO DECODING
186	Granted	MO	J006187C	Motion vector determination method and equipment
187	Granted	MO	J006753C	Boundary strength determination, encoding and decoding method, device and equipment
188	Granted	MO	J007158C	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
189	Granted	CN	CN111698509B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
190	Granted	CN	CN110557644B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
191	Granted	CN	CN110312132B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
192	Granted	CN	CN112511827B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
193	Granted	CN	CN112468811B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
194	Granted	CN	CN112511828B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
195	Granted	CN	CN112468809B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
196	Granted	CN	CN112511829B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
197	Granted	CN	CN112468812B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
198	Granted	CN	CN112672156B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
199	Granted	CN	CN112532983B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
200	Granted	CN	CN112866707B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
201	Granted	CN	CN112887716B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
202	Granted	CN	CN112954331B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
203	Granted	CN	CN112866698B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
204	Granted	CN	CN112866702B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
205	Granted	CN	CN112954327B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
206	Granted	CN	CN112866708B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
207	Granted	CN	CN112866709B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
208	Granted	CN	CN112954336B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
209	Granted	CN	CN112954337B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
210	Granted	CN	CN112954338B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
211	Granted	CN	CN112969071B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
212	Granted	CN	CN112969072B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
213	Granted	CN	CN112954332B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
214	Granted	CN	CN112954333B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
215	Granted	CN	CN112866699B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
216	Granted	CN	CN112866700B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
217	Granted	CN	CN112866705B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
218	Granted	CN	CN112866704B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
219	Granted	CN	CN112954329B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
220	Granted	CN	CN112954328B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
221	Granted	CN	CN112887715B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
222	Granted	CN	CN112866701B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
223	Granted	CN	CN112954326B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
224	Granted	CN	CN112954335B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
225	Granted	CN	CN112866703B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
226	Granted	CN	CN112954325B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
227	Granted	CN	CN112969069B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
228	Granted	CN	CN112954339B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
229	Granted	CN	CN112969070B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
230	Granted	CN	CN112954341B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
231	Granted	CN	CN112954340B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
232	Granted	CN	CN112954342B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
233	Granted	CN	CN113709473B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
234	Granted	CN	CN113709472B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
235	Granted	CN	CN113709470B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
236	Granted	CN	CN113709474B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
237	Granted	CN	CN113709471B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
238	Granted	CN	CN113709469B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
239	Granted	CN	CN113709475B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
240	Granted	CN	CN113709468B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
241	Granted	CN	CN113709466B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
242	Granted	CN	CN113709467B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
243	Granted	CN	CN112866706B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
244	Granted	CN	CN113709465B	ENCODING AND DECODING METHOD AND DEVICE, ENCODER APPARATUS AND DECODER APPARATUS
245	Granted	CN	CN109862369B	VIDEO ENCODING AND DECODING
246	Granted	CN	CN109862368B	VIDEO ENCODING AND DECODING
247	Granted	CN	CN109819255B	VIDEO ENCODING AND DECODING
248	Granted	CN	CN111385581B	VIDEO ENCODING AND DECODING
249	Granted	CN	CN112584169B	VIDEO ENCODING AND DECODING
250	Granted	CN	CN112565783B	VIDEO ENCODING AND DECODING
251	Granted	CN	CN112511841B	VIDEO ENCODING AND DECODING
252	Granted	CN	CN112532994B	VIDEO ENCODING AND DECODING
253	Granted	CN	CN112565781B	VIDEO ENCODING AND DECODING
254	Granted	CN	CN112584166B	VIDEO ENCODING AND DECODING

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 or Region	Granted Patent Number or Application Number (if pending)	Title
255	Granted	CN	CN112584163B	VIDEO ENCODING AND DECODING
256	Granted	CN	CN112565785B	VIDEO ENCODING AND DECODING
257	Granted	CN	CN112565787B	VIDEO ENCODING AND DECODING
258	Granted	CN	CN112584165B	VIDEO ENCODING AND DECODING
259	Granted	CN	CN112584168B	VIDEO ENCODING AND DECODING
260	Granted	CN	CN112584160B	VIDEO ENCODING AND DECODING
261	Granted	CN	CN112565782B	VIDEO ENCODING AND DECODING
262	Granted	CN	CN112565788B	VIDEO ENCODING AND DECODING
263	Granted	CN	CN112584178B	VIDEO ENCODING AND DECODING
264	Granted	CN	CN112532993B	VIDEO ENCODING AND DECODING
265	Granted	CN	CN112584159B	VIDEO ENCODING AND DECODING
266	Granted	CN	CN112584177B	VIDEO ENCODING AND DECODING
267	Granted	CN	CN112584162B	VIDEO ENCODING AND DECODING
268	Granted	CN	CN112565786B	VIDEO ENCODING AND DECODING
269	Granted	CN	CN112584164B	VIDEO ENCODING AND DECODING
270	Granted	CN	CN112584167B	VIDEO ENCODING AND DECODING
271	Granted	CN	CN112584170B	VIDEO ENCODING AND DECODING
272	Granted	CN	CN112584161B	VIDEO ENCODING AND DECODING
273	Granted	CN	CN112584172B	VIDEO ENCODING AND DECODING
274	Granted	CN	CN112584171B	VIDEO ENCODING AND DECODING
275	Granted	CN	CN112468824B	VIDEO ENCODING AND DECODING
276	Granted	CN	CN112511842B	VIDEO ENCODING AND DECODING

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 or Region	Granted Patent Number or Application Number (if pending)	Title
277	Granted	CN	CN112468825B	VIDEO ENCODING AND DECODING
278	Granted	CN	CN112584174B	VIDEO ENCODING AND DECODING
279	Granted	CN	CN112584173B	VIDEO ENCODING AND DECODING
280	Granted	CN	CN112584176B	VIDEO ENCODING AND DECODING
281	Granted	CN	CN112584175B	VIDEO ENCODING AND DECODING
282	Granted	CN	CN112565784B	VIDEO ENCODING AND DECODING
283	Granted	CN	CN111669580B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
284	Granted	CN	CN110708550B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
285	Granted	CN	CN113596445B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
286	Granted	CN	CN113596447B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
287	Granted	CN	CN113365052B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
288	Granted	CN	CN113365048B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
289	Granted	CN	CN113365051B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
290	Granted	CN	CN113365054B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
291	Granted	CN	CN113365057B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM

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 or Region	Granted Patent Number or Application Number (if pending)	Title
292	Granted	CN	CN113365053B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
293	Granted	CN	CN113365058B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
294	Granted	CN	CN113365056B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
295	Granted	CN	CN113365049B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
296	Granted	CN	CN113365050B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
297	Granted	CN	CN113365055B	CODING AND DECODING METHODS, CODER AND DECODER, AND STORAGE MEDIUM
298	Granted	CN	CN112135144B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
299	Granted	CN	CN111064964B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
300	Granted	CN	CN113163209B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
301	Granted	CN	CN113163208B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
302	Granted	CN	CN113163207B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
303	Granted	CN	CN113055686B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
304	Granted	CN	CN113163204B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
305	Granted	CN	CN113163206B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
306	Granted	CN	CN113163205B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
307	Granted	CN	CN113055687B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
308	Granted	CN	CN113055688B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
309	Granted	CN	CN113055689B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
310	Granted	CN	CN113055683B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
311	Granted	CN	CN113055682B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
312	Granted	CN	CN113055684B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
313	Granted	CN	CN113163210B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
314	Granted	CN	CN113055685B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
315	Granted	CN	CN112118450B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
316	Granted	CN	CN110933408B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
317	Granted	CN	CN113411590B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
318	Granted	CN	CN113382262B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
319	Granted	CN	CN113365076B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
320	Granted	CN	CN113453013B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
321	Granted	CN	CN113411591B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
322	Granted	CN	CN113347436B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
323	Granted	CN	CN113347434B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
324	Granted	CN	CN113382260B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
325	Granted	CN	CN113411592B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
326	Granted	CN	CN113453014B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
327	Granted	CN	CN113347433B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
328	Granted	CN	CN113347435B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
329	Granted	CN	CN113382261B	METHODS AND APPARATUSES FOR DECODING OR CODING PREDICTION MODE
330	Granted	CN	CN111031318B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
331	Granted	CN	CN113596480B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
332	Granted	CN	CN113596478B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
333	Granted	CN	CN113596481B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
334	Granted	CN	CN113596477B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
335	Granted	CN	CN113596476B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
336	Granted	CN	CN113411603B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
337	Granted	CN	CN113411606B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
338	Granted	CN	CN111031317B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
339	Granted	CN	CN112543331B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
340	Granted	CN	CN113784134B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
341	Granted	CN	CN113784133B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
342	Granted	CN	CN113784136B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
343	Granted	CN	CN112118448B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
344	Granted	CN	CN110677655B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
345	Granted	CN	CN110677663B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
346	Granted	CN	CN110784712B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
347	Granted	CN	CN113382256B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
348	Granted	CN	CN113382254B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
349	Granted	CN	CN113382251B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
350	Granted	CN	CN113382255B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
351	Granted	CN	CN113382252B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM

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 or Region	Granted Patent Number or Application Number (if pending)	Title
352	Granted	CN	CN113382253B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
353	Granted	CN	CN112543322B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
354	Granted	CN	CN113422951B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
355	Pending	CN	CN202210247704.3	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
356	Pending	CN	CN202210249001.4	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
357	Pending	CN	CN202210249008.6	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
358	Pending	CN	CN202210249105.5	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
359	Pending	CN	CN202210249122.9	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
360	Granted	CN	CN112804534B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
361	Granted	CN	CN112135145B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
362	Granted	CN	CN112135146B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
363	Granted	CN	CN112770113B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
364	Granted	CN	CN112135127B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
365	Granted	CN	CN112135126B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
366	Granted	CN	CN113132724B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
367	Granted	CN	CN112135132B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
368	Granted	CN	CN112135131B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS

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 or Region	Granted Patent Number or Application Number (if pending)	Title
369	Granted	CN	CN112135133B	CODING/DECODING METHOD AND DEVICE, AND STORAGE MEDIUM
370	Granted	CN	CN111698506B	Construction method and device of motion information candidate list
371	Granted	CN	CN110809161B	Construction method and device of motion information candidate list
372	Granted	CN	CN111385570B	VIDEO CODING AND VIDEO DECODING
373	Granted	CN	CN109819264B	VIDEO CODING AND VIDEO DECODING
374	Granted	CN	CN109743576B	VIDEO CODING AND VIDEO DECODING
375	Granted	CN	CN109874011B	VIDEO CODING AND VIDEO DECODING
376	Granted	CN	CN110392256B	Encoding and decoding method, encoding device, decoding device and system
377	Granted	CN	CN110662031B	DECODING METHOD AND DEVICE
378	Granted	CN	CN111698501B	DECODING METHOD AND DEVICE
379	Granted	CN	CN110267036B	Filtering method and equipment
380	Granted	CN	CN110933426B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
381	Granted	CN	CN110691247B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
382	Granted	CN	CN110662074B	Motion vector determination method and equipment
383	Granted	CN	CN110662033B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
384	Granted	CN	CN110365987B	Motion vector determination method and equipment
385	Granted	CN	CN113132739B	Boundary strength determination, encoding and decoding method, device and equipment

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 or Region	Granted Patent Number or Application Number (if pending)	Title
386	Granted	CN	CN113132734B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
387	Pending	CN	CN202310489496.2	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
388	Pending	CN	CN202210351116.4	ENCODING AND DECODING METHOD, DEVICE
389	Granted	CN	CN109842799B	Methods, devices and computer equipment for intra prediction of color components
390	Granted	CN	CN109996083B	Intra prediction method and device
391	Granted	CN	CN110062226B	Encoding and decoding method, encoding device, decoding device and system
392	Granted	CN	CN110062225B	Image filtering method and device
393	Granted	CN	CN110059796B	Generation method and device of convolutional neural network
394	Granted	CN	CN110062246B	Methods and devices for processing video frame data
395	Granted	CN	CN110136057B	Image super-resolution reconstruction methods, devices and electronic equipment
396	Granted	CN	CN110324620B	Intra prediction methods, devices, electronic devices and machine readable storage media
397	Granted	CN	CN110324627B	Method and device for intra prediction of chroma
398	Granted	CN	CN110401836B	Image decoding, encoding methods, devices and equipment
399	Granted	CN	CN110662072B	Method, device and readable storage medium for constructing candidate list of motion information
400	Granted	CN	CN110933414B	Method, device and readable storage medium for constructing candidate list of motion information

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 or Region	Granted Patent Number or Application Number (if pending)	Title
401	Granted	CN	CN110933439B	Method, device and readable storage medium for constructing candidate list of motion information
402	Granted	CN	CN110933419B	Motion vector determination, boundary strength determination method and equipment
403	Granted	CN	CN110933423B	Inter-frame prediction methods and devices
404	Granted	CN	CN110944188B	Method, device and system for sample point adaptive compensation
405	Granted	CN	CN110971915B	Filtering methods and equipment
406	Granted	CN	CN110971901B	Processing methods, devices, devices and storage media for convolutional neural networks
407	Granted	CN	CN111105357B	Dedistortion methods, devices and electronic devices for distorted images
408	Granted	CN	CN111107357B	Image processing methods, devices, systems and storage media
409	Granted	CN	CN111385569B	Encoding and decoding method, encoding device, decoding device
410	Granted	CN	CN111385584B	Encoding and decoding method, encoding device, decoding device and system
411	Granted	CN	CN111510726B	Encoding and decoding method, encoding device, decoding device
412	Granted	CN	CN111669582B	Encoding and decoding method, encoding device, decoding device and system
413	Granted	CN	CN111669579B	Encoding and decoding method, encoding device, decoding device and system
414	Granted	CN	CN111698507B	Construction method of motion information candidate list and index coding method in the list
415	Granted	CN	CN111698500B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
416	Granted	CN	CN111698504B	ENCODING AND DECODING METHOD, AND DEVICE
417	Granted	CN	CN110234008B	ENCODING AND DECODING METHOD, AND DEVICE
418	Granted	CN	CN111726632B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
419	Granted	CN	CN112073734B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
420	Granted	CN	CN112118451B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
421	Granted	CN	CN112118444B	ENCODING METHOD AND APPARATUS
422	Granted	CN	CN112118448B	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
423	Granted	CN	CN112118455B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
424	Granted	CN	CN113411608B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
425	Granted	CN	CN113411607B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
426	Granted	CN	CN113411609B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
427	Granted	CN	CN113411610B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
428	Granted	CN	CN113411594B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
429	Granted	CN	CN113411593B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
430	Granted	CN	CN113411600B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
431	Granted	CN	CN113411599B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
432	Granted	CN	CN113411596B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

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 or Region	Granted Patent Number or Application Number (if pending)	Title
433	Granted	CN	CN113411595B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
434	Granted	CN	CN113411604B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
435	Granted	CN	CN113411601B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
436	Granted	CN	CN113411597B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
437	Granted	CN	CN113411598B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
438	Granted	CN	CN113411605B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
439	Granted	CN	CN113411602B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
440	Granted	CN	CN112135147B	ENCODING AND DECODING METHOD, AND DEVICE
441	Granted	CN	CN112291558B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
442	Pending	CN	CN202310489496.2	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
443	Granted	CN	CN113596462B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
444	Granted	CN	CN113596456B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
445	Granted	CN	CN112911312B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
446	Granted	CN	CN113453005B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
447	Granted	CN	CN113473129B	ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE
448	Granted	HK	40036862A	Encoding and decoding method, encoding device, decoding device and system
449	Granted	HK	40037849A	Construction method and device of motion information candidate list

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 or Region	Granted Patent Number or Application Number (if pending)	Title
450	Granted	HK	40036902A	VIDEO CODING AND VIDEO DECODING
<input type="checkbox"/> 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	<u>Hangzhou Hikvision Digital Technology Co.,Ltd</u>
Name of authorized person	<u>Mr. Ximing ZHANG</u>
Title of authorized person	<u>The General Manager of Intellectual Property and Standards Department</u>
Signature	<u></u>
Place, Date	<u>Hangzhou China, September 23, 2024</u>

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