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(*)Number Recommendation ITU-T H.266 | International Standard ISO/IEC 23090-3

(*)Title Versatile Video Coding

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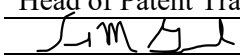
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Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))				
No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
1	Issued	CN	CN103959791B	The explicit way of juxtaposition picture is sent with signal for high efficiency video code (hevc)
2	Issued	CN	ZL201710377465.2	Explicit way for signaling a collocated picture for high efficiency video coding (hevc)
3	Issued	CN	ZL201380008039.1	Explicit way for signaling a collocated reference picture for video coding
4	Issued	CN	CN104937939	Encoder and decoder and its method for motion vector prediction symbol mark
5	Issued	CN	CN102150427	System and method for video encoding using adaptive loop filter
6	Issued	DE	DE602012056488.1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
7	Issued	DE	DE602012070169.2	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
8	Issued	DE	DE602009042674.5	System and method for video encoding using adaptive loop filter
9	Issued	FI	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
10	Issued	FR	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)

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Patent Holder	<u>Google LLC</u>
Name of authorized person	<u>Sarah Guichard</u>
Title of authorized person	<u>Head of Patent Transactions</u>
Signature	<u></u>
Place, Date	<u>Mountain View, California, USA</u>

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No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
11	Issued	FR	EP2324638B1	System and method for video encoding using adaptive loop filter
12	Issued	GB	EP2781098B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
13	Issued	GB	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
14	Issued	GB	EP2324638B1	System and method for video encoding using adaptive loop filter
15	Issued	IE	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
16	Issued	IT	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
17	Issued	JP	JP6144754	Temporal motion vector prediction (mvp) flag signaling for temporal prediction
18	Issued	JP	JP5396478B2	Video coding method using adaptive loop filter
19	Issued	KR	KR101538710B1	Temporal block merge mode
20	Issued	KR	KR101606661B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
21	Issued	KR	10-2099485	Signal of temporal motion vector predictor (MVP) flag for temporal prediction
22	Issued	NL	EP3471420B1	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
23	Issued	NO	EP3471420B2	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
24	Issued	SE	EP3471420B3	An explicit way for signaling a collocated picture for high efficiency video coding (hevc)
25	Issued	US	US8929450	Temporal block merge mode
26	Issued	US	US9036706	Fractional pixel interpolation filter for video compression
27	Issued	US	US9350996	Method and apparatus for last coefficient indexing for high efficiency video coding
28	Issued	US	US9392235	Explicit way for signaling a collocated reference picture for video coding
29	Issued	US	US9549176	Devices and methods for signaling sample adaptive offset (sao) parameters
30	Issued	US	US9872034	Devices and methods for signaling sample adaptive offset (sao) parameters

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31	Issued	US	US9549177	Evaluation of signaling of collocated reference picture for temporal prediction
32	Issued	US	US9210425	Signaling of temporal motion vector predictor (mvp) flag for temporal prediction
33	Issued	US	US8326075	System and method for video encoding using adaptive loop filter
34	Issued	US	US8897591	Method and apparatus for video coding using adaptive loop filter