



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 74 75 88

Classification of the application (IPC):
H04N 19/52, H04N 19/70

Technical fields searched (IPC):
H04N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	EP 2757784 A2 (KOREA ELECTRONICS TELECOMM [KR]; UNIV SOGANG IND UNIV COOP FOUN [KR]) 23 July 2014 (2014-07-23) * paragraph [0153] - paragraph [0156] * * paragraph [0190] - paragraph [0199] *	1-5
X,P	YANG (HUAWEI) H ET AL: "Description of Core Experiment 4 (CE4): Inter prediction and motion vector coding" , 10. JVET MEETING; 20180410 - 20180420; SAN DIEGO; (THE JOINT VIDEO EXPLORATION TEAM OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16),, 20 April 2018 (2018-04-20), no. JVET-J1024 URL: http://phenix.int-evry.fr/jvet/doc_end_user/documents/10_San%20Diego/wg11/JVET-J1024-v1.zip JVET-J1024.docx [retrieved on 20 April 2018 (2018-04-20)] XP030151318 * section [3.2.15 Enhanced merge mode in J0059 (HiSilicon)];page 27 - page 29 * * section [3.2.9 Ultimate motion vector expression in J0024 (Samsung, Huawei, Hisilicon, GoPro)];page 21 - page 22 * * section [3.2.8 Merge/Skip modes in J0021 (Qualcomm, Technicolor)];page 20 - page 21 *	1-5

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 21 September 2021	Examiner Georgiou, Georgia
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2757784	A2	23-07-2014	BR 112014006320 A2	11-04-2017
		CA 2849004 A1	21-03-2013	
		CA 2994615 A1	21-03-2013	
		CA 2994619 A1	21-03-2013	
		CA 2994621 A1	21-03-2013	
		CA 2994623 A1	21-03-2013	
		CA 2994625 A1	21-03-2013	
		CA 3114709 A1	21-03-2013	
		CN 103988509 A	13-08-2014	
		CN 108366266 A	03-08-2018	
		CN 108366269 A	03-08-2018	
		CN 108377395 A	07-08-2018	
		CN 108391124 A	10-08-2018	
		CN 108391138 A	10-08-2018	
		DK 3258692 T3	27-01-2020	
		EP 2757784 A2	23-07-2014	
		EP 3258692 A1	20-12-2017	
		EP 3637774 A1	15-04-2020	
		JP 6046142 B2	14-12-2016	
		JP 6416156 B2	31-10-2018	
		JP 6855411 B2	07-04-2021	
		JP 6855412 B2	07-04-2021	
		JP 6855413 B2	07-04-2021	
		JP 6855414 B2	07-04-2021	
		JP 2014526838 A	06-10-2014	
		JP 2016174428 A	29-09-2016	
		JP 2018152901 A	27-09-2018	
		JP 2018152902 A	27-09-2018	
		JP 2018152903 A	27-09-2018	
		JP 2018152904 A	27-09-2018	
		JP 2018152905 A	27-09-2018	
		JP 2021036718 A	04-03-2021	
		KR 20130030181 A	26-03-2013	
		KR 20130030232 A	26-03-2013	
		KR 20130110122 A	08-10-2013	
		KR 20130111501 A	10-10-2013	
		KR 20130113400 A	15-10-2013	
		KR 20180083287 A	20-07-2018	
		KR 20180083288 A	20-07-2018	
		KR 20180083289 A	20-07-2018	
		KR 20190058426 A	29-05-2019	
		KR 20200057692 A	26-05-2020	
		KR 20210046621 A	28-04-2021	
		US 2014348241 A1	27-11-2014	



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The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2016360229 A1	08-12-2016
		US 2016366436 A1	15-12-2016
		US 2019110066 A1	11-04-2019
		US 2019110067 A1	11-04-2019
		US 2019110068 A1	11-04-2019
		US 2020344490 A1	29-10-2020
		WO 2013039356 A2	21-03-2013