

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2020/003774

A. CLASSIFICATION OF SUBJECT MATTER

H04N 19/117(2014.01)i, H04N 19/82(2014.01)i, H04N 19/132(2014.01)i, H04N 19/70(2014.01)i, H04N 19/184(2014.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04N 19/117; H04N 19/31; H04N 19/70; H04N 19/80; H04N 19/86; H04N 7/26; H04N 7/50; H04N 19/82; H04N 19/132; H04N 19/184

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models: IPC as above
Japanese utility models and applications for utility models: IPC as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS (KIPO internal) & Keywords: adaptive loop filter, adaptive parameter set, coefficient, flag, sequence parameter set

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-2013-0054377 A (MEDIATEK INC.) 24 May 2013 See paragraphs [0015]-[0016], [0040]-[0043]; and claims 30, 43, 55.	1-6, 11-15
A		7-10
A	PALURI, Seethal et al. AHG17: Conditional Signaling of ALF and In-Loop Reshaper Model. JVET-N0290. Joint Video Experts Team (JVET) of ITU-T SG 16 WP3 and ISO/IEC JTC 1/SC 29/WG 11 14th Meeting; Geneva, CH. 12 March 2019, pages 1-4 See pages 1-4.	1-15
A	KR 10-2013-0034614 A (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 05 April 2013 See claims 1-2, 12.	1-15
A	WO 2013-081935 A1 (QUALCOMM INCORPORATED) 06 June 2013 See claims 1, 12-13, 16.	1-15
A	US 2015-0103900 A1 (MEDIATEK SIONOPOLIS WALK) 16 April 2015 See claims 1, 5, 13.	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26 JUNE 2020 (26.06.2020)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2020/003774

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