

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference C19W5374	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2019/122820	International filing date (<i>day/month/year</i>) 03 December 2019	(Earliest) Priority Date (<i>day/month/year</i>) 03 December 2018
Applicant BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD. et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 33

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/122820

A. CLASSIFICATION OF SUBJECT MATTER		
H04N 19/513(2014.01)i; H04N 19/61(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) H04N19		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CNABS,CNKI,CNTXT,DWPI,USTXT,WOTXT: bitstream, history, motion vector prediction, MVP, prune, pruning, size, dimension, disable		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2013003843 A1 (MEDIATEK SINGAPORE PTE. LTD.) 03 January 2013 (2013-01-03) the description, paragraphs 0007-0032	1, 14-19
Y	US 2013294513 A1 (QUALCOMM. INC.) 07 November 2013 (2013-11-07) the description, paragraphs 0006, 0007, 0106	1, 14-19
A	WO 2014043374 A1 (QUALCOMM. INC.) 20 March 2014 (2014-03-20) the whole document	1-19
A	WO 2015103747 A1 (MEDIATEK SINGAPORE PTE. LTD.) 16 July 2015 (2015-07-16) the whole document	1-19
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 15 February 2020		Date of mailing of the international search report 21 February 2020
Name and mailing address of the ISA/CN National Intellectual Property Administration, PRC 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China		Authorized officer YU,Chenjun
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2019/122820

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	2013003843	A1	03 January 2013	CN	102439978	A	02 May 2012
				WO	2011110039	A1	15 September 2011
				TW	I407798	B	01 September 2013
				TW	201215158	A	01 April 2012

US	2013294513	A1	07 November 2013	TW	201401884	A	01 January 2014
				WO	2013169713	A1	14 November 2013

WO	2014043374	A1	20 March 2014	CN	104662909	B	15 June 2018
				CN	104662909	A	27 May 2015
				US	2014071235	A1	13 March 2014
				JP	2015532067	A	05 November 2015
				JP	6336987	B2	06 June 2018
				EP	2896207	A1	22 July 2015

WO	2015103747	A1	16 July 2015	None			
