

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/104681

**A. CLASSIFICATION OF SUBJECT MATTER**

H04W 72/04(2009.01)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)

H04Q H04W H04L

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)

CNPAT, CNKI, WPI, EPODOC, 3GPP: 信令, 周期, 时隙, 时间, 间隔, 随机接入前导, 灵活, 保护, signalling, slot, period, interval, tim+, PRACH, preamble

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106255213 A (YULONG COMPUTER TELECOMMUNICATION SCIENTIFIC (SHENZHEN) CO., LTD.) 21 December 2016 (2016-12-21) description, paragraphs [0005]-[0128]	1-22
A	CN 101431367 A (DATANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD.) 13 May 2009 (2009-05-13) entire document	1-22
A	CN 106255215 A (YULONG COMPUTER TELECOMMUNICATION SCIENTIFIC (SHENZHEN) CO., LTD.) 21 December 2016 (2016-12-21) entire document	1-22
A	CN 106301738 A (YULONG COMPUTER TELECOMMUNICATION SCIENTIFIC (SHENZHEN) CO., LTD.) 04 January 2017 (2017-01-04) entire document	1-22

 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

“&amp;” document member of the same patent family

Date of the actual completion of the international search

12 November 2018

Date of mailing of the international search report

04 December 2018

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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/CN2018/104681**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	106255213	A	21 December 2016	WO	2018018818	A1	01 February 2018
CN	101431367	A	13 May 2009	None			
CN	106255215	A	21 December 2016	WO	2018023906	A1	08 February 2018
CN	106301738	A	04 January 2017	None			