

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2016/097166

A. CLASSIFICATION OF SUBJECT MATTER

H04W 72/12 (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)

H04W; H04Q; H04B; 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, GOOGLE: schedul+, uplink, downlink, location, position, identi+, distinguish+, demand, signal, rule, correspond+, subframe

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 105592558 A (YULONG COMPUTER TELECOMMUNICATION SCIENTIFIC (SHENZHEN) CO., LTD.) 18 May 2016 (18.05.2016) claims 1-12	1-12
X	CN 101277529 A (ZTE CORPORATION) 01 October 2008 (01.10.2008) description, page 7, lines 18 and 19, page 13, lines 12-22, and figures 2 and 4	1-12
X	CN 101242668 A (ZTE CORPORATION) 13 August 2008 (13.08.2008) description, page 2, line 12 to page 3, line 4, and figure 2	1-12
X	CN 102752862 A (HUAWEI TECHNOLOGIES CO., LTD.) 24 October 2012 (24.10.2012) description, paragraphs [0035]-[0041]	1-12
A	CN 101499895 A (DA TANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD.) 05 August 2009 (05.08.2009) the whole document	1-12

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&” document member of the same patent family</p>
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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">17 October 2016</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;">28 October 2016</p>
<p>Name and mailing address of the ISA</p> <p>State Intellectual Property Office of the P. R. China</p> <p>No. 6, Xitucheng Road, Jimenqiao</p> <p>Haidian District, Beijing 100088, China</p> <p>Facsimile No. (86-10) 62019451</p>	<p>Authorized officer</p> <p style="text-align: center;">LIU, Jing</p> <p>Telephone No. (86-10) 52871160</p>

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007171849 A1 (INTERDIGITAL TECHNOLOGY CORPORATION) 26 July 2007 (26.07.2007) the whole document	1-12

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2016/097166

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 105592558 A	18 May 2016	None	
CN 101277529 A	01 October 2008	None	
CN 101242668 A	13 August 2008	EP 2256970 A1	01 December 2010
		US 2011021227 A1	27 January 2011
		WO 2009115027 A1	24 September 2009
CN 102752862 A	24 October 2012	None	
CN 101499895 A	05 August 2009	None	
US 2007171849 A1	26 July 2007	CN 201004702 Y	09 January 2008
		DE 202007000128I I1	14 June 2007
		TW M314881 U	01 July 2007
		WO 2007081564 A2	19 July 2007
		AR 059128 A1	12 March 2008
		TW 200733629 A	01 September 2007