

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/104989

**A. CLASSIFICATION OF SUBJECT MATTER**

H04W 36/00(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)

CNKI, CNPAT, EPODOC, WPI: 1x无线电传输技术, 单载波无线传输技术, 电路交换域语音回落, 1xRTT, EV-DO, CS, FB, Circuit Switched Fallback, LTE, 2G/3G, CDMA

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106489282 A (APPLE INC.) 08 March 2017 (2017-03-08) description, paragraphs [0126]-[0194], and figures 3-11	1-13
A	CN 104507131 A (CHINA UNITED NETWORK COMMUNICATIONS CORPORATION LIMITED) 08 April 2015 (2015-04-08) entire document	1-13
A	CN 105338583 A (SPREADTRUM COMMUNICATIONS (SHANGHAI) INC.) 17 February 2016 (2016-02-17) entire document	1-13
A	CN 105451276 A (SPREADTRUM COMMUNICATIONS (SHANGHAI) INC.) 30 March 2016 (2016-03-30) entire document	1-13
A	CN 103002531 A (DONGGUAN YULONG COMMUNICATION TECHNOLOGY CO., LTD. ET AL.) 27 March 2013 (2013-03-27) entire document	1-13

 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

10 May 2018

Date of mailing of the international search report

15 June 2018

Name and mailing address of the ISA/CN

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

International application No.

**PCT/CN2017/104989**

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 106489282 A	08 March 2017	US 2016007240 A1 TW 201616891 A DE 112015003181 T5 WO 2016007420 A1	07 January 2016 01 May 2016 30 March 2017 14 January 2016
CN 104507131 A	08 April 2015	None	
CN 105338583 A	17 February 2016	None	
CN 105451276 A	30 March 2016	None	
CN 103002531 A	27 March 2013	None	