

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/101357

**A. CLASSIFICATION OF SUBJECT MATTER**

H04W 8/20(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

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)

WPI, EPODOC, IEEE, CNKI, CNPAT: 虚拟sim, 国家码, 国际移动设备身份码, 预设规则, 匹配, MCC, IMEI, preset, rule, match

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 107770767 A (GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CO., LTD.) 06 March 2018 (2018-03-06) entire document	1-24
X	CN 105554728 A (SHENZHEN DIMIOR TECHNOLOGY CO., LTD.) 04 May 2016 (2016-05-04) description, paragraphs 0016-0028, and figure 4	1-24
A	CN 106304037 A (NUBIA TECHNOLOGY CO., LTD.) 04 January 2017 (2017-01-04) entire document	1-24
A	CN 105101167 A (LENOVO (BEIJING) CO., LTD.) 25 November 2015 (2015-11-25) entire document	1-24
A	CN 105188048 A (SHANGHAI HAIYANG SOFTWARE TECHNOLOGY CO., LTD.) 23 December 2015 (2015-12-23) entire document	1-24

 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

25 October 2018

Date of mailing of the international search report

14 November 2018

Name and mailing address of the ISA/CN

State Intellectual Property Office of the P. R. China  
No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing  
100088  
China

Authorized officer

Facsimile No. (86-10)62019451

Telephone No.

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

International application No.

**PCT/CN2018/101357**

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 107770767 A	06 March 2018	None	
CN 105554728 A	04 May 2016	WO 2017097219 A1 US 2017170856 A1	15 June 2017 15 June 2017
CN 106304037 A	04 January 2017	None	
CN 105101167 A	25 November 2015	None	
CN 105188048 A	23 December 2015	None	