

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/122174

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
G06K 19/077(2006.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) G06K19/-		
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; CNTXT; VEN; USTXT; WOTXT; EPTXT; TWABS; CNKI: 移动存储, U盘, 通用串行总线, 接口, 标准C, 控制器, 裸片, portable storage, USB flash disk, USB, interface, type-c, controller, die		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 104966529 A (ZHOU, Zhengxian) 07 October 2015 (2015-10-07) description, paragraphs 27-39, and figure 1	1-16
X	CN 107134667 A (TOSHIBA KK) 05 September 2017 (2017-09-05) description, paragraphs 23-69	1-16
A	CN 106025741 A (SHENZHEN TINNO WIRELESS TECHNOLOGY CO., LTD.) 12 October 2016 (2016-10-12) entire document	1-16
A	CN 106128506 A (NOREL SYSTEMS LIMITED) 16 November 2016 (2016-11-16) entire document	1-16
A	CN 106503065 A (LETV HOLDINGS (BEIJING) CO., LTD. et al.) 15 March 2017 (2017-03-15) entire document	1-16
A	US 2017192476 A1 (SEAGATE TECHNOLOGY LLC) 06 July 2017 (2017-07-06) entire document	1-16
<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 <b>17 August 2019</b>		Date of mailing of the international search report <b>03 September 2019</b>
Name and mailing address of the ISA/CN <b>National Intellectual Property Administration, PRC (ISA/ CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China</b> Facsimile No. (86-10)62019451		Authorized officer   Telephone No.

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

International application No.

**PCT/CN2018/122174**

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 104966529 A	07 October 2015	None	
CN 107134667 A	05 September 2017	TW I617103 B US 2017250507 A1 US 10038285 B2 TW 201731184 A	01 March 2018 31 August 2017 31 July 2018 01 September 2017
CN 106025741 A	12 October 2016	None	
CN 106128506 A	16 November 2016	None	
CN 106503065 A	15 March 2017	None	
US 2017192476 A1	06 July 2017	None	