

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/110423

A. CLASSIFICATION OF SUBJECT MATTER		
H01H 13/02(2006.01)i; H01H 13/14(2006.01)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)		
H01H		
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, EPODOC, WPI, CNKI: 按键, 外壳, 安全臂, 安装座, 限位部, 外凸部, 电路板, 间隔, 装配, 变形, terminal, shell, housing, board, key, assembly, groove, mounting		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 208079542 U (GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.) 09 November 2018 (2018-11-09) description, paragraphs [0021]-[0086], and figures 1-12	1-16
A	CN 207517589 U (ZHEJIANG DAHUA TECHNOLOGY CO., LTD.) 19 June 2018 (2018-06-19) entire document	1-16
A	CN 205016425 U (SHENZHEN TCL NEW TECHNOLOGY CO., LTD.) 03 February 2016 (2016-02-03) entire document	1-16
A	CN 208127077 U (SHANGHAI SUNRISE SIMCOM ELECTRONIC TECHNOLOGY CO., LTD.) 20 November 2018 (2018-11-20) entire document	1-16
A	CN 108335933 A (HISENSE ELECTRONIC TECHNOLOGY (SHENZHEN) CO., LTD.) 27 July 2018 (2018-07-27) entire document	1-16
A	US 2013162541 A1 (LIU, Zhenlin et al.) 27 June 2013 (2013-06-27) 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		Date of mailing of the international search report
27 December 2019		07 January 2020
Name and mailing address of the ISA/CN		Authorized officer
China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China		
Facsimile No. (86-10)62019451		Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 208079542 U	09 November 2018	None	
CN 207517589 U	19 June 2018	None	
CN 205016425 U	03 February 2016	None	
CN 208127077 U	20 November 2018	None	
CN 108335933 A	27 July 2018	CN 108335933 B	20 September 2019
		CN 105206452 A	30 December 2015
		CN 105206452 B	04 May 2018
US 2013162541 A1	27 June 2013	CN 103187193 A	03 July 2013
		TW 201327602 A	01 July 2013