

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/123665

A. CLASSIFICATION OF SUBJECT MATTER		
F25B 39/02(2006.01)i; F25D 17/08(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) F25B17/08; F25B39/02		
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, DWPI, SIPOABS, JPABS, PATENTICS; 中国期刊网全文数据库, CJFD: 海尔, AQUA, 青木均史, 回风, 凹 OR 陷 OR 缺口, 冷却器 OR 蒸发器, 侧壁, 化霜, 除霜, return, groove OR recess or concave, cooler OR evaporat+, side, defrost		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2017166788 A (PANASONIC IP MANAGEMENT CO., LTD.) 21 September 2017 (2017-09-21) description, paragraphs [0031]-[0072], and figures 1-11	1-8
A	JP 2017215117 A (PANASONIC IP MANAGEMENT CO., LTD.) 07 December 2017 (2017-12-07) entire document	1-8
A	CN 205482061 U (PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.) 17 August 2016 (2016-08-17) entire document	1-8
A	CN 108885046 A (PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.) 23 November 2018 (2018-11-23) entire document	6
A	CN 201093836 Y (ELECTROLUX (CHINA) HOME APPLIANCES CO., LTD.) 30 July 2008 (2008-07-30) entire document	1-8
<input checked="" 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 15 February 2020		Date of mailing of the international search report 21 February 2020
Name and mailing address of the ISA/CN China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China Facsimile No. (86-10)62019451		Authorized officer Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/123665**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 108474608 A (SHARP CORPORATION) 31 August 2018 (2018-08-31) entire document	1-8
<hr/>		

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2019/123665

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
JP 2017166788 A	21 September 2017	None	
JP 2017215117 A	07 December 2017	None	
CN 205482061 U	17 August 2016	DE 212014000178 U1 JP 2015045437 A WO 2015029409 A1	22 April 2016 12 March 2015 05 March 2015
CN 108885046 A	23 November 2018	JP 2017172847 A WO 2017163965 A1 JP 6492291 B2	28 September 2017 28 September 2017 03 April 2019
CN 201093836 Y	30 July 2008	None	
CN 108474608 A	31 August 2018	WO 2017130442 A1 JP 2017133784 A	03 August 2017 03 August 2017