

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2018/078291

## A. CLASSIFICATION OF SUBJECT MATTER

F25C 1/24 (2018.01) 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)

F25C 1/24; F25C 1/22; F25C 1/00; F25D 23/12; F25D 23/00; CPC: F25C 1/24; F25C 1/225; F25C 2400/14

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, CNKI, VEN, 注水, 导水, 导流, 引导, 筋, 凸, 肋, 盖, 开口, 孔, 结冰, 堵塞, fill, guide, rib, protrusion, cover, opening, hole, freeze, block

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 203928532 U (HEFEI HAIER REFRIGERATOR CO., LTD. et al.) 05 November 2014 (05.11.2014), description, paragraphs [0025]-[0030], and figures 1-6	1-8
Y	EP 2667121 A2 (BSH BOSCH SIEMENS HAUSGERAETE) 27 November 2013 (27.11.2013), description, paragraphs [0035]-[0056], and figures 1-7	1-8
Y	CN 101738043 A (HAIER GROUP CO., LTD. et al.) 16 June 2010 (16.06.2010), description, paragraphs [0059] and [0060], and figures 11 and 12	8
PX	CN 106885410 A (QINGDAO HAIER CO., LTD.) 23 June 2017 (23.06.2017), description, paragraphs [0005]-[0037], and figures 1-8	1-8
PX	CN 107120882 A (QINGDAO HAIER CO., LTD.) 01 September 2017 (01.09.2017), description, paragraphs [0018]-[0037], and figures 1-8	1-8

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&amp;” document member of the same patent family</p>
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Date of the actual completion of the international search 29 May 2018	Date of mailing of the international search report 06 June 2018
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<p>Name and mailing address of the ISA State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No. (86-10) 62019451</p>	<p>Authorized officer  ZHANG, Lihong  Telephone No. (86-10) 62085509</p>
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 1469094 A (SAMSUNG ELECTRONICS CO., LTD.) 21 January 2004 (21.01.2004), entire document	1-8
A	CN 202066267 U (HEFEI MIDEA ROYALSTAR REFRIGERATOR CO., LTD. et al.) 07 December 2011 (07.12.2011), entire document	1-8

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

International application No.  
PCT/CN2018/078291

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 203928532 U	05 November 2014	None	
EP 2667121 A2	27 November 2013	DE 102012208668 A1	28 November 2013
		EP 2667121 A3	15 March 2017
CN 101738043 A	16 June 2010	CN 101738043 B	20 March 2013
CN 106885410 A	23 June 2017	None	
CN 107120882 A	01 September 2017	None	
CN 1469094 A	21 January 2004	US 6735974 B2	18 May 2004
		KR 20040008887 A	31 January 2004
		US 2004011071 A1	22 January 2004
		KR 100441021 B1	21 July 2004
		EP 1382923 B1	08 December 2010
		CN 1254651 C	03 May 2006
		EP 1382923 A1	21 January 2004
		DE 60335231 D1	20 January 2011
CN 202066267 U	07 December 2011	None	