

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/094674

A. CLASSIFICATION OF SUBJECT MATTER

F24F 1/00(2011.01)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)

F24F

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, DWPI, VEN: 空调, 空气调节, 室内机, 柜式, 立式, 进风口, 出风口, 机壳, 换热, 风道, 隔离, 环形, 环状, 环板, 结露, 凝露, air w condition+, indoor, vertical, cabinet, inlet?, outlet?, shell, case, housing, heat, exchang+, air, flow, path, duct, passage, separat+, isolation, annular, ring, dew

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106482230 A (QINGDAO HAIER SMART TECHNOLOGY R&D CO., LTD.) 08 March 2017 (2017-03-08) description, paragraphs [0040]-[0069], and figures 2 and 3	1-10
A	CN 106482213 A (QINGDAO HAIER SMART TECHNOLOGY R&D CO., LTD.) 08 March 2017 (2017-03-08) entire document	1-10
A	CN 204629736 U (QINGDAO HAIGAO DESIGN & MANUFACTURING CO., LTD.) 09 September 2015 (2015-09-09) entire document	1-10
A	CN 204141747 U (QINGDAO HAIGAO DESIGN & MANUFACTURING CO., LTD.) 04 February 2015 (2015-02-04) entire document	1-10
A	EP 3006856 A2 (MITSUBISHI HEAVY IND. LTD.) 13 April 2016 (2016-04-13) entire document	1-10

 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

06 September 2018

Date of mailing of the international search report

25 September 2018

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP S57134514 U (TOKYO SHIBAURA ELECTRIC CO., LTD.) 21 August 1982 (1982-08-21) entire document	1-10
A	JP S5482448 U (MITSUBISHI ELECTRIC CORPORATION) 11 June 1979 (1979-06-11) entire document	1-10
PX	CN 107388355 A (QINGDAO HAIER AIR CONDITIONER CO., LTD.) 24 November 2017 (2017-11-24) claims 1-10	1-10

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2018/094674

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 106482230 A	08 March 2017	None	
CN 106482213 A	08 March 2017	None	
CN 204629736 U	09 September 2015	None	
CN 204141747 U	04 February 2015	None	
EP 3006856 A2	13 April 2016	JP 2016056978 A EP 3006856 A3	21 April 2016 27 July 2016
JP S57134514 U	21 August 1982	None	
JP S57134514 U	21 August 1982	None	
CN 107388355 A	24 November 2017	None	