

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2018/006087

A. CLASSIFICATION OF SUBJECT MATTER

F24F 1/00(2011.01)i, F24F 13/14(2006.01)i, F24F 11/79(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)

F24F 1/00; F24F 13/10; F24F 13/14; F24H 3/06; F24F 13/08; F25B 13/00; F24F 11/79

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models: IPC as above
Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: air conditioner, flow path control unit, outlet, closing, mode, discharge panel, discharge hole, blower unit, intake hole, bypass flow path

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2016-099030 A (SHARP CORP.) 30 May 2016 See paragraphs [0001], [0033]-[0077]; and figures 1-2, 7, 10.	1-15
Y	JP 2508917 B2 (DAIKIN IND., LTD.) 19 June 1996 See page 3-page 4; claim 1; and figures 1, 3(c), 4.	1-15
A	KR 10-2017-0006548 A (LG ELECTRONICS INC.) 18 January 2017 See paragraphs [0060]-[0080]; and figures 4-7.	1-15
A	KR 10-1500506 B1 (LG ELECTRONICS INC.) 09 March 2015 See paragraphs [0030]-[0050]; and figures 2-7.	1-15
A	KR 10-2015-0051515 A (SAMSUNG ELECTRONICS CO., LTD.) 13 May 2015 See paragraphs [0050]-[0059]; and figures 3-5.	1-15



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

21 SEPTEMBER 2018 (21.09.2018)

Date of mailing of the international search report

02 OCTOBER 2018 (02.10.2018)

Name and mailing address of the ISA/KR


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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2018/006087

Patent document cited in search report	Publication date	Patent family member	Publication date
JP 2016-099030 A	30/05/2016	NONE	
JP 2508917 B2	19/06/1996	JP 4208354 A	30/07/1992
KR 10-2017-0006548 A	18/01/2017	KR 10-1712274 B1	03/03/2017
KR 10-1500506 B1	09/03/2015	NONE	
KR 10-2015-0051515 A	13/05/2015	NONE	