

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 4350244 A1 20240410 (EN)

Application
EP 23199949 A 20230927

Priority
KR 20220128430 A 20221007

Abstract (en)
The present invention relates to an air conditioner. The air conditioner according to an embodiment of the present invention includes: a base panel having an inlet formed in one side thereof, and an outlet formed in another side thereof, a variable panel disposed under the base panel and changed in shape to open and close the inlet and the outlet; and a driving device disposed on the base panel and changing a shape of the variable panel, thereby allowing the variable panel to cover the entire lower surface of base panel. In addition, the variable panel may open and close the inlet and the outlet. The variable panel includes: a fixed part disposed between the inlet and the outlet, and fixed in position vertically relative to the base panel; a cover part spaced apart from the fixed part and disposed at a lower side of the inlet or the outlet; and a variable part disposed between the fixed part and the cover part, and changing an inclination angle of the cover part.

IPC 8 full level
F24F 13/06 (2006.01); **F24F 1/0011** (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0057** (2019.01); **F24F 13/14** (2006.01)

CPC (source: CN EP KR US)
F24F 1/0011 (2013.01 - EP KR US); **F24F 1/0047** (2019.02 - CN EP); **F24F 1/0057** (2019.02 - EP); **F24F 13/10** (2013.01 - CN); **F24F 13/1426** (2013.01 - EP KR); **F24F 13/20** (2013.01 - CN KR); **F24F 2013/0616** (2013.01 - EP); **F24F 2013/1433** (2013.01 - KR); **F24F 2013/1446** (2013.01 - KR); **F24F 2221/14** (2013.01 - KR); **F24F 2221/17** (2013.01 - KR); **F24F 2221/26** (2013.01 - EP KR)

Citation (applicant)
KR 102401787 B1 20220526

Citation (search report)
• [XAYI] CN 101498473 A 20090805 - LG ELECTRONICS INC [KR]
• [Y] CN 209944512 U 20200114 - QINGDAO HAIGAO DESIGN MANUFACTURE CO LTD
• [X] ES 2467967 T3 20140613 - DAIKIN IND LTD [JP]
• [X] KR 102403337 B1 20220527

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4350244 A1 20240410; CN 117847763 A 20240409; KR 20240048744 A 20240416; US 2024117972 A1 20240411

DOCDB simple family (application)
EP 23199949 A 20230927; CN 202311255922 A 20230926; KR 20220128430 A 20221007; US 202318372890 A 20230926