

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 4350226 A1 20240410 (EN)

Application
EP 23201107 A 20231002

Priority
KR 20220128433 A 20221007

Abstract (en)
The air conditioner according to an embodiment of the present invention includes: a base panel having a first communication hole formed in one side thereof, and a second communication hole formed in another side thereof, a variable panel disposed under the base panel and changed in shape to open and close the first communication hole and the second communication hole; and a driving device disposed on an upper side of the base panel and changing a position of one side of the variable panel in an up-down direction, so that the variable panel is changed in shape, wherein the variable panel includes: a first cover part disposed under the base panel to open and close the first communication hole; a second cover part disposed under the base panel to open and close the second communication hole; and a variable part disposed between the first cover part and the second cover part, and changing an inclination angle of the first cover part and the second cover part.

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KR 102401787 B1 20220526

Citation (search report)
• [XY] CN 101057109 A 20071017 - DAIKIN IND LTD [JP]
• [Y] JP 2020070988 A 20200507 - DAIKIN IND LTD
• [Y] EP 3730845 A1 20201028 - LG ELECTRONICS INC [KR]
• [Y] CN 214791478 U 20211119 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al
• [Y] US 9970676 B2 20180515 - SHANG BIN [CN], et al

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