

Title (en)
AIR OUTLET STRUCTURE OF AIR CONDITIONER AND AIR CONDITIONER

Title (de)
LUFTAUSLASSSTRUKTUR FÜR KLIMAANLAGE UND KLIMAANLAGE

Title (fr)
STRUCTURE DE SORTIE D'AIR DE CLIMATISEUR ET CLIMATISEUR

Publication
EP 4428454 A1 20240911 (EN)

Application
EP 22906268 A 20221130

Priority
• CN 202123214751 U 20211217
• CN 202123203830 U 20211217
• CN 2022135679 W 20221130

Abstract (en)
The present application discloses an air outlet structure of an air conditioner, and an air conditioner. The air outlet structure comprises: an air outlet frame, provided with an air outlet; a damper, located on a front surface of the air outlet frame and capable of moving between a closed position and an open position, and at least part of the damper being disposed in the air outlet when in the closed position, so as to close the air outlet; and a drive apparatus, mounted on the air outlet frame. The drive apparatus comprises a guide rail and a guide assembly, the guide assembly being connected to the damper, the guide rail and the guide assembly cooperating to define a motion trajectory of the guide assembly, and the guide rail being configured to guide the damper to first move outwards out of the air outlet and then move to the open position when opening the damper.

IPC 8 full level
F24F 1/0063 (2019.01); **F24F 1/0014** (2019.01); **F24F 13/12** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0014** (2013.01); **F24F 1/0063** (2019.02); **F24F 13/12** (2013.01); **F24F 13/1426** (2013.01); **F24F 13/20** (2013.01); **F24F 2013/1446** (2013.01)

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 4428454 A1 20240911; WO 2023109518 A1 20230622

DOCDB simple family (application)
EP 22906268 A 20221130; CN 2022135679 W 20221130