

Title (en)

PANEL STRUCTURE OF AIR CONDITIONER, AIR CONDITIONER, METHOD, DEVICE, AND STORAGE MEDIUM

Title (de)

PLATTENSTRUKTUR EINER KLIMAAANLAGE, KLIMAAANLAGE, VERFAHREN, VORRICHTUNG UND SPEICHERMEDIUM

Title (fr)

STRUCTURE DE PANNEAU DE CLIMATISEUR, CLIMATISEUR, PROCÉDÉ, DISPOSITIF ET SUPPORT DE STOCKAGE

Publication

EP 3764017 A4 20210602 (EN)

Application

EP 18927207 A 20181224

Priority

- CN 201810804494 A 20180720
- CN 2018123018 W 20181224

Abstract (en)

[origin: EP3764017A1] A panel structure of an air conditioner, the air conditioner, a method, a device, and a storage medium, relating to the technical field of air conditioners. The problem that an existing air conditioner cannot meet the different air output demands of users at different directions in the same room is solved. The panel structure of the air conditioner comprises an air guide plate (1), a vertical swing blade component (2), and a human body sensing device (6); the air guide plate (1) comprises a plurality of second air guide plates (13) arranged in parallel in the left-right direction of a panel body (3) of the panel structure; each second air guide plate (13) is provided with a first micro-hole structure (11); the vertical swing blade component (2) comprises a swing rod (21) and one or more vertical swing blades (22) which are each of a bionic leaf structure; the swing rod (21) is driven by a swing rod driving motor so as to drive the vertical swing blades (22) to swing leftwards and rightwards; and each vertical swing blade (22) is provided with a second micro-hole structure (221).

IPC 8 full level

F24F 13/15 (2006.01); **F24F 11/64** (2018.01); **F24F 11/65** (2018.01); **F24F 11/89** (2018.01); **F24F 13/14** (2006.01); **F24F 13/20** (2006.01); **F24F 120/12** (2018.01)

CPC (source: CN EP)

F24F 11/64 (2017.12 - CN EP); **F24F 11/65** (2017.12 - EP); **F24F 11/74** (2017.12 - CN); **F24F 11/89** (2017.12 - EP); **F24F 13/1426** (2013.01 - EP); **F24F 13/15** (2013.01 - CN EP); **F24F 13/20** (2013.01 - CN EP); **F24F 2013/1433** (2013.01 - EP); **F24F 2120/12** (2017.12 - EP)

Citation (search report)

- [XY] CN 207268487 U 20180424 - QINGDAO HAIER AIR CONDITIONER
- [Y] CN 108050593 A 20180518 - WUHU MEIZHI AIR CONDITIONING EQUIPMENT CO LTD, et al
- [Y] CN 107401776 A 20171128 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD
- [A] EP 3184924 A1 20170628 - MITSUBISHI HEAVY IND LTD [JP]
- [A] US 2018080673 A1 20180322 - YAMAJI TAKAYUKI [JP]
- [A] CN 107883559 A 20180406 - QINGDAO HAIER AIR CONDITIONER
- See references of WO 2020015309A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3764017 A1 20210113; **EP 3764017 A4 20210602**; CN 109114755 A 20190101; CN 109114755 B 20210921; WO 2020015309 A1 20200123

DOCDB simple family (application)

EP 18927207 A 20181224; CN 201810804494 A 20180720; CN 2018123018 W 20181224