

Title (en)
PANEL STRUCTURE OF AIR CONDITIONER, AND AIR CONDITIONER

Title (de)
PLATTENSTRUKTUR EINER KLIMAANLAGE SOWIE KLIMAANLAGE

Title (fr)
STRUCTURE DE PANNEAU DE CLIMATISEUR, ET CLIMATISEUR

Publication
EP 3764014 A4 20210526 (EN)

Application
EP 18926637 A 20181224

Priority
• CN 201810806561 A 20180720
• CN 2018123020 W 20181224

Abstract (en)
[origin: EP3764014A1] Disclosed are a panel structure of an air conditioner, and an air conditioner, belonging to the technical field of air conditioners, and solving the problems of a greater speed of air being directly blown by an existing air conditioner and a poorer user experience effect. The panel structure of the air conditioner comprises an air guide plate (1) and a vertical swing blade assembly (2), wherein the air guide plate (1) is provided with a first microporous structure (11) penetrating through a thickness direction of the air guide plate, and swings up and down under the drive of an air guide plate electric motor; the vertical swing blade assembly (2) comprises a swing rod (21) and one or more vertical swing blades (22) of a bionic leaf structure; the vertical swing blades (22) are arranged on the swing rod (21); the swing rod (21) drives the vertical swing blades (22), under the driving of a swing rod drive electric motor, to swing to the left and to the right; and each vertical swing blade (22) is provided with a second microporous structure (221) penetrating through the thickness direction of the vertical swing blade.

IPC 8 full level
F24F 13/14 (2006.01); **F24F 13/20** (2006.01)

CPC (source: CN EP)
F24F 13/1426 (2013.01 - CN EP); **F24F 13/20** (2013.01 - CN EP); **F24F 2013/1433** (2013.01 - CN EP)

Citation (search report)
• [XY] CN 108050593 A 20180518 - WUHU MEIZHI AIR CONDITIONING EQUIPMENT CO LTD, et al
• [Y] CN 207146545 U 20180327 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD
• [Y] CN 205448224 U 20160810 - HEFEI HAIER AIR CONDITIONER CO LTD
• [A] CN 107883559 A 20180406 - QINGDAO HAIER AIR CONDITIONER
• [A] CN 207081084 U 20180309 - QINGDAO HAIER AIR CONDITIONER
• [A] CN 206618019 U 20171107 - QINGDAO HAIER AIR CONDITIONER
• See references of WO 2020015311A1

Cited by
CN115451531A

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 3764014 A1 20210113; EP 3764014 A4 20210526; CN 109059236 A 20181221; CN 109059236 B 20230623; WO 2020015311 A1 20200123

DOCDB simple family (application)
EP 18926637 A 20181224; CN 201810806561 A 20180720; CN 2018123020 W 20181224