

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

Title (de)
PLATTENSTRUKTUR EINER KLIMAAANLAGE UND KLIMAAANLAGE

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

Publication
EP 3764015 A4 20210526 (EN)

Application
EP 18926700 A 20181224

Priority
• CN 201810804491 A 20180720
• CN 2018123019 W 20181224

Abstract (en)
[origin: EP3764015A1] A panel structure of an air conditioner and the air conditioner, relating to the technical field of air conditioners. The problems that the panel structure of an existing air conditioner has inadequate strength and is easily deformed are solved. The panel structure of the air conditioner comprises: air guiding plates (1), a vertical swinging blade assembly (2) and a panel body (3). The air guiding plates (1) are provided with first micropore structures (11) penetrating through thickness directions of the air guiding plates, and the air guiding plates are driven by an air guiding plate motor to swing up and down. The vertical swinging blade assembly (2) comprises a swinging rod (21) and one or more vertical swinging blades (22) of bionic leaf structures, wherein the vertical swinging blades (22) are provided on the swinging rod (21), the swinging rod (21) is driven by a swinging rod drive motor to drive the vertical swinging blades (22) to swing leftwards and rightwards, and the vertical swinging blades (22) are provided with second micropore structures (221) penetrating through thickness directions of the vertical swinging blades. The panel body (3) is provided with reinforcing ribs (31).

IPC 8 full level
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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)
• [Y] CN 108050593 A 20180518 - WUHU MEIZHI AIR CONDITIONING EQUIPMENT CO LTD, et al
• [Y] KR 20040057983 A 20040702 - SANYO ELECTRIC AIR CONDITION, et al
• [Y] CN 107401776 A 20171128 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD
• [Y] CN 207501271 U 20180615 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al
• [A] US 2018135871 A1 20180517 - KIM BYUNG GHUN [KR], et al
• [A] CN 203443041 U 20140219 - HAIER GROUP CORP, et al
• See references of WO 2020015310A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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