

Title (en)
INDOOR UNIT FOR AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT FÜR KLIMAAANLAGE

Title (fr)
UNITÉ INTÉRIEURE DESTINÉE À UN CLIMATISEUR

Publication
EP 3699510 A4 20201202 (EN)

Application
EP 17928975 A 20171018

Priority
JP 2017037636 W 20171018

Abstract (en)
[origin: EP3699510A1] An indoor unit includes a lateral airflow adjusting unit that adjusts in a lateral direction, the angle of air that is blown from an air outlet. The lateral airflow adjusting unit includes a plurality of lateral airflow adjusting plates that are arranged in a blowout flow passage at defined intervals in the lateral direction, and a drive device that includes a drive motor and swings the plurality of lateral airflow adjusting plates with power generated by the drive motor. The blowout flow passage causes a heat exchanger and the air outlet to communicate with each other. A casing of the indoor unit includes an accommodating chamber that is isolated from the blowout flow passage and communicates with a suction flow passage that causes an air inlet and the heat exchanger to communicate with each other. The drive motor is accommodated in the accommodating chamber.

IPC 8 full level
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CPC (source: EP US)
F24F 1/0011 (2013.01 - US); **F24F 1/0014** (2013.01 - EP); **F24F 1/0018** (2013.01 - US); **F24F 1/0047** (2019.01 - EP); **F24F 1/0063** (2019.01 - US); **F24F 13/1426** (2013.01 - EP US); **F24F 13/20** (2013.01 - EP US); **F24F 13/32** (2013.01 - US); **F24F 2013/1433** (2013.01 - EP US); **F24F 2013/205** (2013.01 - US)

Citation (search report)

- [A] US 2004079094 A1 20040429 - KASAI MASAYA [JP], et al
- [A] JP 2007205584 A 20070816 - HITACHI LTD
- See references of WO 2019077690A1

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 3699510 A1 20200826; **EP 3699510 A4 20201202**; **EP 3699510 B1 20210901**; CN 111213015 A 20200529; CN 111213015 B 20210518; JP 6755409 B2 20200916; JP WO2019077690 A1 20200116; US 2020240676 A1 20200730; WO 2019077690 A1 20190425

DOCDB simple family (application)
EP 17928975 A 20171018; CN 201780095875 A 20171018; JP 2017037636 W 20171018; JP 2019549040 A 20171018; US 201716637917 A 20171018