

Title (en)
INDOOR UNIT

Title (de)
INNENRAUMEINHEIT

Title (fr)
UNITÉ INTÉRIEURE

Publication
EP 3940303 A4 20220323 (EN)

Application
EP 19918674 A 20190312

Priority
JP 2019009995 W 20190312

Abstract (en)
[origin: EP3940303A1] An indoor unit includes a housing forming an outer portion, and having an air inlet into which air is sucked and an air outlet from which air is blown out, the air inlet being formed in a lower portion of the housing, the air outlet being formed in an upper portion of the housing; an air-sending device provided at an inside lower portion of the housing, and sending the air sucked in from the air inlet from an air-sending opening to an inside upper portion of the housing, the air-sending opening being formed in an upper portion of the air-sending device; a heat exchanger provided at the inside upper portion of the housing, and causing heat to be exchanged between air sent from the air-sending device and a heat medium; and a fan plate separating the inside lower portion and the inside upper portion of the housing from each other. The fan plate includes a fan connection portion surrounding the air-sending opening of the air-sending device, and a guide portion extending upward from the fan connection portion and guiding the air sent from the air-sending device toward the heat exchanger.

IPC 8 full level
F24F 1/0007 (2019.01); **F24F 1/0033** (2019.01); **F24F 11/89** (2018.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 11/89 (2018.01); **F24F 13/20** (2013.01); **F24F 1/0033** (2013.01); **F24F 1/005** (2019.02); **F24F 1/0057** (2019.02); **F24F 1/0063** (2019.02)

Citation (search report)

- [X] KR 20050049803 A 20050527 - LG ELECTRONICS INC [KR]
- [XI] JP 2000130836 A 20000512 - DAIKIN IND LTD
- [XI] US 2015300688 A1 20151022 - YOKOYAMA NAOFUMI [JP], et al
- See also references of WO 2020183607A1

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 3940303 A1 20220119; **EP 3940303 A4 20220323**; JP 7086269 B2 20220617; JP WO2020183607 A1 20211021;
WO 2020183607 A1 20200917

DOCDB simple family (application)
EP 19918674 A 20190312; JP 2019009995 W 20190312; JP 2021504676 A 20190312