

Title (en)
INDOOR UNIT FOR FLOOR MOUNTED AIR CONDITIONER

Title (de)
RAUMEINHEIT FÜR BODENMONTIERTE KLIMAAANLAGE

Title (fr)
UNITÉ INTÉRIEURE POUR UN CLIMATISEUR D'AIR MONTÉ AU SOL

Publication
EP 2345852 A4 20150304 (EN)

Application
EP 09816001 A 20090811

Priority
• JP 2009064166 W 20090811
• JP 2008250077 A 20080929

Abstract (en)
[origin: EP2345852A1] An indoor unit 1 includes a turbofan 62 generating an air flow in centrifugal direction and a casing unit 50 which has inlet ports 51a and 52b sucking air from the outside and supply it to the turbofan 62 and outlet ports 52a and 52b blowing out the air flow generated by the turbofan 62 to the outside. The turbofan 62 includes a main blade 63, a sub blade 64 provided on the outlet ports 52a and 52b sides of the main blade 63, and a plurality of blades 65 provided between the main blade 63 and the sub blade 64. The main blade 63 has an extension portion 63c which extends from its outer periphery toward the outside of the outer peripheries of the blades 65 and is inclined toward the sub blade 64. The sub blade 64 has an extension portion 64b which extends from its outer periphery toward the outside of the outer peripheries of the blades 65 and is inclined away from the main blade 63.

IPC 8 full level
F24F 1/00 (2011.01); **F04D 29/28** (2006.01)

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/288** (2013.01); **F04D 29/442** (2013.01); **F24F 1/0014** (2013.01); **F24F 1/005** (2019.01); **F24F 1/0022** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/205** (2013.01)

Citation (search report)
• [X] FR 2874241 A1 20060217 - SARDOU MAX [FR]
• [X] KR 20030089142 A 20031121 - SAMSUNG ELECTRONICS CO LTD [KR]
• [Y] JP 2000074410 A 20000314 - DAIKIN IND LTD
• [Y] JP 2007183010 A 20070719 - DAIKIN IND LTD
• See references of WO 2010035584A1

Cited by
CN112797486A; IT201800010686A1; CN105091284A; WO2020110085A1; WO2018130690A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2345852 A1 20110720; EP 2345852 A4 20150304; EP 2345852 B1 20170510; AU 2009297727 A1 20100401; AU 2009297727 B2 20130124; ES 2626129 T3 20170724; JP 2010078274 A 20100408; JP 4502057 B2 20100714; WO 2010035584 A1 20100401

DOCDB simple family (application)
EP 09816001 A 20090811; AU 2009297727 A 20090811; ES 09816001 T 20090811; JP 2008250077 A 20080929; JP 2009064166 W 20090811