

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)  
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