

Title (en)  
INDOOR UNIT FOR AIR CONDITIONER, AND AIR CONDITIONER

Title (de)  
INNENRAUMEINHEIT FÜR KLIMAAANLAGE UND KLIMAAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE POUR CLIMATISEUR ET CLIMATISEUR

Publication  
**EP 2602562 A1 20130612 (EN)**

Application  
**EP 10855571 A 20100804**

Priority  
JP 2010004908 W 20100804

Abstract (en)  
An indoor unit (100) is disclosed which can suppress the occurrence of noise. An indoor unit (100) includes: a casing (1) having an air inlet (2) formed at a top portion thereof and an air outlet (3) formed at a bottom side of a front portion thereof; an axial-flow or diagonal-flow fan (20) disposed on the downstream side of the air inlet (2); a heat exchanger (50) disposed on the downstream side of the fan (20) and on the upstream side of the air outlet (3); a filter (10) that collects dust from air sucked into the casing (1); and a motor stay (16) having a fixing member (17) to which a fan motor (30) for the fan (20) is fixed and a support member (18) which secures the fixing member (17) to the casing (1). The filter (10) and the motor stay (16) are disposed on the downstream side of the fan (20). The motor stay (16) is disposed on the upstream side of the filter (10) or the downstream side of the filter (10) so that the distance between the motor stay (16) and the filter (10) will be smaller than the largest projection dimension.

IPC 8 full level  
**F24F 1/00** (2011.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)  
**F24F 1/0029** (2013.01); **F24F 1/0033** (2013.01); **F24F 13/20** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/205** (2013.01); **F24F 2013/242** (2013.01); **F24F 2013/247** (2013.01)

Cited by  
US2015068711A1; JPWO2014006650A1; US10480817B2; US10746416B2

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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2602562 A1 20130612**; **EP 2602562 A4 20161130**; **EP 2602562 B1 20181226**; CN 103140717 A 20130605; CN 103140717 B 20160504; JP 5606533 B2 20141015; JP WO2012017479 A1 20130919; WO 2012017479 A1 20120209

DOCDB simple family (application)  
**EP 10855571 A 20100804**; CN 201080069418 A 20100804; JP 2010004908 W 20100804; JP 2012527457 A 20100804