

Title (en)
AIR CONDITIONER, CASING, AND DECORATIVE PANEL

Title (de)
KLIMAANLAGE, GEHÄUSE UND ZIERBLENDE

Title (fr)
DISPOSITIF DE CONDITIONNEMENT D'AIR, ENCEINTE ET PANNEAU DÉCORATIF

Publication
EP 2413058 A1 20120201 (EN)

Application
EP 10755632 A 20100318

Priority
• JP 2010001960 W 20100318
• JP 2009079792 A 20090327

Abstract (en)
This invention inhibits the turbulence of airflow of conditioned air that is blown out from a blowout part and improves the energy efficiency of air conditioning when branching the conditioned air by a mounting structure part of a motor for driving a flap. An air conditioner having: a casing including a suction opening for sucking in indoor air and a blowout part for blowing out conditioned air; and a blower and a heat exchanger housed inside the casing has a flap 303 which is mounted on the blowout part and which adjusts the blowing direction of the conditioned air, and a motor 50 which serves as a drive source for oscillating the flap 303 and is provided at a position which avoids lengthwise ends of the blowout part. The motor 50 is provided with a flow-adjusting cover 80 formed in a shape of branching the conditioned air toward the respective lengthwise ends of the blowout part.

IPC 8 full level
F24F 13/06 (2006.01); **F24F 13/08** (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP US)
F24F 1/0011 (2013.01 - EP US); **F24F 1/0014** (2013.01 - EP US); **F24F 1/0047** (2019.01 - EP US); **F24F 13/06** (2013.01 - EP US); **F24F 13/1426** (2013.01 - EP US); **F24F 2013/0616** (2013.01 - EP US)

Citation (search report)
See references of WO 2010109829A1

Cited by
IT201700112213A1; EP3015774A4; EP3593060A4; FR3018342A1; EP2927607A1; RU2672434C2; EP4001781A1; US9322561B2; US11885514B2; WO2013121789A3; WO2018199516A1; US11226131B2

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 2413058 A1 20120201; AU 2010228752 A1 20111117; AU 2010228752 B2 20130523; CN 102365506 A 20120229; CN 102365506 B 20140219; JP 2010230271 A 20101014; JP 5359458 B2 20131204; US 2012015599 A1 20120119; WO 2010109829 A1 20100930

DOCDB simple family (application)
EP 10755632 A 20100318; AU 2010228752 A 20100318; CN 201080014759 A 20100318; JP 2009079792 A 20090327; JP 2010001960 W 20100318; US 201013259036 A 20100318