

Title (en)

OUTDOOR UNIT FOR SPLIT TYPE AIR-CONDITIONER

Title (de)

AUSSENEINHEIT FÜR KLIMAAANLAGE DER GETEILTEN BAUART

Title (fr)

UNITE EXTERNE DE CONDITIONNEUR D'AIR DE TYPE A DEUX BLOCS

Publication

EP 1886070 A2 20080213 (EN)

Application

EP 05746028 A 20050531

Priority

KR 2005001628 W 20050531

Abstract (en)

[origin: WO2006129891A2] The present invention discloses a front suction/discharge type outdoor unit for a split type air- conditioner which is installed in an opening space of an outer wall of a building, for sucking outdoor air from the front surface, exchanging heat and discharging the heat-exchanged air. A pair of sirocco fans having a relatively large ventilation amount are used to send the outdoor air to condensers, and stable high efficiency BLDC motors are used to drive the sirocco fans. Even if the air is sucked or discharged to/from a restricted space, ventilation amount and efficiency can be increased to improve cooling capability and reduce abnormal noises.

IPC 8 full level

F24F 1/46 (2011.01); **F24F 1/00** (2011.01); **F24F 1/06** (2011.01); **F24F 1/38** (2011.01); **F24F 1/40** (2011.01); **F24F 5/00** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP KR)

F24F 1/0022 (2013.01 - EP); **F24F 1/0033** (2013.01 - EP); **F24F 1/06** (2013.01 - KR); **F24F 1/38** (2013.01 - EP KR); **F24F 1/52** (2013.01 - EP); **F24F 1/56** (2013.01 - EP KR); **F24F 1/62** (2013.01 - EP); **F24F 13/24** (2013.01 - EP)

Citation (search report)

See references of WO 2006129891A2

Cited by

CN105841208A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

WO 2006129891 A2 20061207; **WO 2006129891 A3 20070823**; AT E432450 T1 20090615; CN 101189478 A 20080528; CN 101189478 B 20120411; DE 602005014684 D1 20090709; EP 1886070 A2 20080213; EP 1886070 B1 20090527; ES 2327140 T3 20091026; KR 100981859 B1 20100913; KR 100991287 B1 20101101; KR 20070119724 A 20071220; KR 20090081441 A 20090728; KR 20100101019 A 20100915

DOCDB simple family (application)

KR 2005001628 W 20050531; AT 05746028 T 20050531; CN 200580049957 A 20050531; DE 602005014684 T 20050531; EP 05746028 A 20050531; ES 05746028 T 20050531; KR 20077025445 A 20050531; KR 20097014373 A 20050531; KR 20107019297 A 20050531