

Title (en)
OUTDOOR UNIT OF AIR CONDITIONER

Title (de)
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITE EXTERIEURE D'UN CLIMATISEUR

Publication
EP 1684022 A4 20090204 (EN)

Application
EP 04788033 A 20040922

Priority
• JP 2004013850 W 20040922
• JP 2003333875 A 20030925

Abstract (en)
[origin: EP1684022A1] There are provided a heat sink (10) to cool down electric components (C2) with a great heating value, the heat sink being projected from a side plate of an electric component box (9) provided to a machine chamber (4) in a case (1), a cooling duct (12) provided along the side plate of the electric component box from which the heat sink is projected, the cooling duct covering the heat sink (10) and comprising openings (12a, 12b) formed in a horizontal partition plate (2) and a base plate of the case, and the cooling duct introducing outside air from the opening (12b) at the base plate of the case accompanying an operation of an air blower (6) to exchange heat with the heat sink (10), and then leading the air out of the opening (12a) of the horizontal partition plate, and a vent hole (13) formed in the side plate of an electric component box (9), the vent hole conducting air in the electric component box (9) and guiding the air so as to be discharged into the cooling duct (12).

IPC 8 full level
F24F 5/00 (2006.01); **F24F 1/00** (2011.01); **F24F 13/20** (2006.01)

CPC (source: EP KR)
F24F 1/24 (2013.01 - EP KR); **F24F 1/46** (2013.01 - KR); **F24F 1/50** (2013.01 - EP); **F24F 13/00** (2013.01 - KR); **F24F 13/20** (2013.01 - KR); **F24F 2013/207** (2013.01 - EP)

Citation (search report)
• [Y] WO 0151859 A1 20010719 - TOSHIBA CARRIER CORP [JP], et al
• [Y] JP 2000275372 A 20001006 - MITSUBISHI ELECTRIC CORP
• [A] JP H05322223 A 19931207 - DAIKIN IND LTD
• [A] WO 03016788 A1 20030227 - TOSHIBA CARRIER CORP [JP], et al
• [A] JP 2002243210 A 20020828 - FUJITSU GENERAL LTD
• See references of WO 2005031219A1

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Designated contracting state (EPC)
ES GB IT

DOCDB simple family (publication)
EP 1684022 A1 20060726; **EP 1684022 A4 20090204**; **EP 1684022 B1 20170621**; CN 100425918 C 20081015; CN 1860337 A 20061108; ES 2629957 T3 20170816; JP 2010169393 A 20100805; JP 4520412 B2 20100804; JP WO2005031219 A1 20071115; KR 100726509 B1 20070611; KR 20060085636 A 20060727; WO 2005031219 A1 20050407

DOCDB simple family (application)
EP 04788033 A 20040922; CN 200480027978 A 20040922; ES 04788033 T 20040922; JP 2004013850 W 20040922; JP 2005514199 A 20040922; JP 2010050571 A 20100308; KR 20067006557 A 20060405