

Title (en)
Outdoor unit for air conditioner

Title (de)
Außenraumeinheit für Klimaanlage

Title (fr)
Unité extérieure pour climatiseur

Publication
EP 2525158 A3 20180815 (EN)

Application
EP 12168014 A 20120515

Priority
• JP 2011110320 A 20110517
• JP 2011110321 A 20110517

Abstract (en)
[origin: EP2525158A2] An outdoor unit (10) for an air conditioner that has a vertically extending partition body (60) through which the inside of a housing (11) is partitioned into a heat exchange chamber (R1) and a machine chamber (R2) and is configured so that a heat exchanger (21) and an air blower (22) are mounted in the heat exchange chamber (R1) and a compressor (31) and an electrical component mount unit (40) are mounted in the machine chamber (R2), characterized in that the partition body (60) comprises a partition plate (16) provided substantially vertically to a bottomplate (12) of the housing (11), and the electrical component mount unit (40) connected to an upper end portion of the partition plate ; the electrical component mount unit (40) has a board holder (51) constituting an upper portion of the partition body and a heat sink (55) secured to the board holder; the board holder (51) is configured to be guided by a pair of guide rails (43) while the heat sink faces the heat exchange chamber side, and upwardly pulled out from the upper portion of the partition body; and a water-proof portion (16E) is provided to dam water infiltrating through the fitting face between each of the guide rails and the board holder into the machine chamber side and discharge the dammed water to the heat exchange chamber R1 side.

IPC 8 full level
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CPC (source: EP)
F24F 1/22 (2013.01); **F24F 1/24** (2013.01); **F24F 1/46** (2013.01); **F24F 1/58** (2013.01)

Citation (search report)
• [A] EP 2042820 A2 20090401 - SANYO ELECTRIC CO [JP]
• [A] JP 2010190513 A 20100902 - TOSHIBA CARRIER CORP
• [A] JP 2010175226 A 20100812 - DAIKIN IND LTD
• [A] JP H09236284 A 19970909 - DAIKIN IND LTD
• [A] EP 1985935 A1 20081029 - DAIKIN IND LTD [JP]

Cited by
CN105066283A; CN106979565A; CN107023904A; US11441795B2; EP3457037A4; US11708996B2; WO2023202574A1

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