

Title (en)
OUTDOOR MACHINE

Title (de)
AUSSENMASCHINE

Title (fr)
MACHINE EXTÉRIEURE

Publication
EP 3385626 A4 20190102 (EN)

Application
EP 15909828 A 20151204

Priority
JP 2015084219 W 20151204

Abstract (en)
[origin: EP3385626A1] Provided is an outdoor unit, which is capable of cooling electric components, discharging dew condensation water generated in a machine chamber, and enhancing a soundproof effect. The outdoor unit includes: a base metal plate which has a base water-discharge hole; a plurality of outer shell panels; a first partition plate which is mounted to the base metal plate so as to extend upward; a second partition plate which is mounted to one surface of the first partition plate so as to be parallel to the base metal plate; a third partition plate, which is mounted to the base metal plate so as to extend upward, and has an upper end portion continuous with the second partition plate; an air-sending device chamber, which is formed in a casing formed of the base metal plate and the plurality of outer shell panels; an electric component chamber formed, which is formed in the casing; and a machine chamber, which is formed in the casing, the electric component chamber including: the base water-discharge holes; a first airflow hole formed in at least one of the plurality of outer shell panels; and a second airflow hole, which is formed in the first partition plate, communicates with the first airflow hole, and defines an air passage extending upward along the third partition plate between the first airflow hole and the second airflow hole, the machine chamber having a sealed structure without an air intake hole.

IPC 8 full level
F24F 1/12 (2011.01); **F24F 1/24** (2011.01); **F24F 1/40** (2011.01); **F24F 1/48** (2011.01); **F24F 1/56** (2011.01); **F24F 13/22** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)
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Citation (search report)

- [A] JP H0397127 U 19911004
- [A] US 2010294466 A1 20101125 - SHIMAOKA KAZUHIRO [JP], et al
- [A] US 2005034471 A1 20050217 - SHIN SANG HO [KR]
- See references of WO 2017094198A1

Cited by
IT202000002872A1; WO2021161239A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (application)
EP 15909828 A 20151204; CN 201580084594 A 20151204; JP 2015084219 W 20151204; JP 2017553598 A 20151204