

Title (en)

HEAT PUMP HOT WATER SUPPLY OUTDOOR UNIT

Title (de)

AUSSENEINHEIT ZUR WÄRMEPUMPENWARMWASSERVERSORGUNG

Title (fr)

UNITÉ EXTÉRIEURE D'ALIMENTATION EN EAU CHAUDE DE POMPE À CHALEUR

Publication

EP 3745033 A4 20210106 (EN)

Application

EP 18902846 A 20180123

Priority

JP 2018001994 W 20180123

Abstract (en)

[origin: EP3745033A1] A heat pump water-heater outdoor unit has a bottom plate which has a rectangular bottom surface, a compressor which is provided on the bottom plate and compresses a refrigerant, a soundproofing material which covers a side surface of the compressor, and a soundproofing material placement portion which is provided on the bottom plate and holds a lower end of the soundproofing material at a position higher than the bottom surface. The soundproofing material placement portion covers corner portion that is closest to the compressor out of corner portions of the bottom plate. The bottom plate includes an edge portion which extends upward from each side of the bottom surface. The soundproofing material placement portion holds the lower end of the soundproofing material at a position higher than an upper end of the edge portion.

IPC 8 full level

F24F 1/10 (2011.01); **F24D 17/02** (2006.01); **F24F 1/12** (2011.01); **F24F 1/36** (2011.01); **F24F 5/00** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)

F24D 17/02 (2013.01); **F24F 1/10** (2013.01); **F24F 1/12** (2013.01); **F24F 1/36** (2013.01); **F24F 5/0096** (2013.01); **F24F 13/24** (2013.01)

Citation (search report)

- [A] JP 2011094955 A 20110512 - MITSUBISHI ELECTRIC CORP
- [A] JP 2013088003 A 20130513 - DAIKIN IND LTD
- [A] US 4982812 A 19910108 - HWANG MIN-SU [TW]
- [A] WO 2013046591 A1 20130404 - DAIKIN IND LTD [JP], et al
- [A] JP 2013053771 A 20130321 - DAIKIN IND LTD
- See also references of WO 2019146003A1

Cited by

CN110779210A; WO2022184208A1; WO2023137173A1

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)

BA ME

DOCDB simple family (publication)

EP 3745033 A1 20201202; **EP 3745033 A4 20210106**; **EP 3745033 B1 20230809**; JP 6747614 B2 20200826; JP WO2019146003 A1 20200430; NZ 764215 A 20240830; WO 2019146003 A1 20190801

DOCDB simple family (application)

EP 18902846 A 20180123; JP 2018001994 W 20180123; JP 2019567433 A 20180123; NZ 76421518 A 20180123