

Title (en)
OUTDOOR UNIT OF REFRIGERATION CYCLE APPARATUS

Title (de)
AUSSENEINHEIT EINER KÜHLZYKLUSVORRICHTUNG

Title (fr)
UNITÉ EXTÉRIEURE POUR APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication
EP 3690329 A1 20200805 (EN)

Application
EP 20154646 A 20200130

Priority
JP 2019016780 A 20190201

Abstract (en)
To provide an outdoor unit of a refrigeration apparatus that can reliably drain water to be generated by the defrosting operation regardless of whether a sheathed heater is used as in the conventional outdoor unit or a heater that has a lower heat generation capacity per unit area than a sheathed heater is used. The outdoor unit 1 includes: a bottom plate 21 having a drain outlet 43; a heat exchanger 17 disposed above the bottom plate 21; a first heat-transfer member 51 that has a plate-shape and is in contact with all or part of a bottom face of the heat exchanger 17; and a linear heater 52 that provided on the first heat-transfer member 51.

IPC 8 full level
F24F 1/06 (2011.01); **F24F 11/42** (2018.01); **F24F 1/36** (2011.01)

CPC (source: CN EP)
F24F 1/06 (2013.01 - EP); **F24F 1/22** (2013.01 - CN); **F24F 1/36** (2013.01 - CN); **F24F 11/42** (2017.12 - EP); **F24F 13/222** (2013.01 - CN); **F25B 47/00** (2013.01 - CN); **F24F 1/36** (2013.01 - EP); **F24F 2221/34** (2013.01 - EP)

Citation (applicant)
JP 2015055455 A 20150323 - MITSUBISHI ELECTRIC CORP

Citation (search report)

- [XYI] EP 2792955 A1 20141022 - DAIKIN IND LTD [JP]
- [YA] JP 2010091140 A 20100422 - HITACHI APPLIANCES INC
- [Y] JP 2008096018 A 20080424 - DAIKIN IND LTD
- [Y] EP 2636966 A1 20130911 - VECAM CO S P A [IT]
- [A] KR 20090003871 A 20090112 - LG ELECTRONICS INC [KR]
- [A] US 2016138825 A1 20160519 - MORIYAMA TAKEFUMI [JP]
- [A] CN 104279646 A 20150114 - GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO LTD
- [A] JP 2004069220 A 20040304 - MITSUBISHI ELECTRIC CORP
- [A] JP 2015206575 A 20151119 - MITSUBISHI ELECTRIC CORP

Cited by
WO2023085605A1

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 3690329 A1 20200805; CN 111520824 A 20200811; CN 111520824 B 20220513; JP 2020125854 A 20200820; JP 7433768 B2 20240220

DOCDB simple family (application)
EP 20154646 A 20200130; CN 202010073729 A 20200122; JP 2019016780 A 20190201