

Title (en)
OUTDOOR UNIT AND REFRIGERATION CYCLE APPARATUS

Title (de)
AUSSENEINHEIT UND KÜHLZYKLUSVORRICHTUNG

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

Publication
EP 3951273 A1 20220209 (EN)

Application
EP 21197817 A 20180830

Priority

- EP 21197817 A 20180830
- EP 18931700 A 20180830
- JP 2018032074 W 20180830

Abstract (en)
An outdoor unit includes plural machine units, an air-sending device, and a heat exchanger. The machine units each accommodate a machine chamber storing a machine part. The air-sending device is installed in an air-sending chamber positioned between partition walls of the machine units, and is configured to provide an air flow. The heat exchanger is installed upstream of the air-sending device, and is configured to exchange heat between refrigerant and air sent by the air-sending device. At least one of the partition walls of the machine units has a first region, a second region, and a third region. The first region is positioned close to the heat exchanger, and is inclined from a position close to the heat exchanger toward a rotation axis of the air-sending device. The second region is positioned downstream of the first region, and is inclined at an angle that is smaller than an angle of the first region. The third region is positioned downstream of the second region, and is inclined at an angle that is greater than the angle of the second region.

IPC 8 full level
F24F 1/54 (2011.01); **F24F 1/38** (2011.01); **F24F 1/40** (2011.01); **F24F 1/46** (2011.01)

CPC (source: EP)
F24F 1/38 (2013.01); **F24F 1/40** (2013.01); **F24F 1/46** (2013.01); **F24F 1/54** (2013.01)

Citation (applicant)

- JP 2002267207 A 20020918 - FUJITSU GENERAL LTD
- JP H06213198 A 19940802 - DAIKIN IND LTD

Citation (search report)

- [Y] JP 2015127624 A 20150709 - MITSUBISHI ELECTRIC CORP
- [Y] JP H04278132 A 19921002 - MITSUBISHI ELECTRIC CORP
- [A] JP H07180862 A 19950718 - DAIKIN IND LTD
- [A] JP 2006214690 A 20060817 - FUJITSU GENERAL LTD
- [A] JP 2010127590 A 20100610 - MITSUBISHI ELECTRIC CORP
- [A] EP 2871428 A1 20150513 - MITSUBISHI ELECTRIC CORP [JP]

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

DOCDB simple family (publication)
EP 3845819 A1 20210707; EP 3845819 A4 20211201; EP 3951273 A1 20220209; JP 2022019915 A 20220127; JP 7038839 B2 20220318; JP WO2020044482 A1 20210430; WO 2020044482 A1 20200305

DOCDB simple family (application)
EP 18931700 A 20180830; EP 21197817 A 20180830; JP 2018032074 W 20180830; JP 2020539939 A 20180830; JP 2021195850 A 20211202