

Title (en)

OUTDOOR UNIT, AIR CONDITIONER, AND METHOD FOR DESIGNING OUTDOOR UNIT

Title (de)

AUSSENEINHEIT, KLIMAAANLAGE UND VERFAHREN ZUM ENTWURF DER AUSSENEINHEIT

Title (fr)

UNITÉ EXTÉRIEURE, CLIMATISEUR, ET PROCÉDÉ DE CONCEPTION D'UNE UNITÉ EXTÉRIEURE

Publication

EP 4283219 A4 20240320 (EN)

Application

EP 21921086 A 20210125

Priority

JP 2021002459 W 20210125

Abstract (en)

[origin: EP4283219A1] An outdoor unit (100) includes: a casing; and a heat exchanger (3) contained in the casing. The heat exchanger (3) includes a heat transfer tube that allows refrigerant to flow in the heat transfer tube. The refrigerant is R290. The heat transfer tube has an inside tube volume of more than or equal to 70% and less than 100%, relative to a heat transfer tube used to allow R32 to flow.

IPC 8 full level

F25B 39/00 (2006.01); **F24F 1/16** (2011.01); **F25B 1/00** (2006.01); **F28D 1/047** (2006.01)

CPC (source: EP)

F24F 1/16 (2013.01); **F25B 13/00** (2013.01); **F25B 39/02** (2013.01); **F25B 39/04** (2013.01); **F28D 1/0477** (2013.01); **F25B 2339/02** (2013.01); **F25B 2339/04** (2013.01); **F25B 2400/12** (2013.01); **F25B 2500/01** (2013.01); **F28D 2021/0061** (2013.01); **F28D 2021/0068** (2013.01)

Citation (search report)

- [XII] US 2020333056 A1 20201022 - ITO DAISUKE [JP], et al
- [I] EP 1162412 A1 20011212 - DAIKIN IND LTD [JP]
- [A] WO 2019240055 A1 20191219 - DAIKIN IND LTD [JP]
- See also references of WO 2022157979A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 21921086 A 20210125; JP 2021002459 W 20210125; JP 2022576941 A 20210125