

Title (en)

GAS-LIQUID SEPARATION UNIT FOR REFRIGERATION DEVICE, AND REFRIGERATION DEVICE

Title (de)

GAS-FLÜSSIGKEITSTRENNUNGSEINHEIT FÜR EINE KÄLTEVORRICHTUNG UND KÄLTEVORRICHTUNG

Title (fr)

UNITÉ DE SÉPARATION GAZ-LIQUIDE D'UN DISPOSITIF DE RÉFRIGÉRATION, ET DISPOSITIF DE RÉFRIGÉRATION

Publication

EP 3611442 A4 20210113 (EN)

Application

EP 18810412 A 20180530

Priority

- JP 2017107915 A 20170531
- JP 2018020814 W 20180530

Abstract (en)

[origin: EP3611442A1] A refrigeration apparatus (1), in which a heat-source-side unit (2) and a utilization-side unit (3) are connected, includes a gas-liquid separation unit (4) having a gas-liquid separator (17) connected to a gas-side connection pipe (6), a first oil return pipe (31) connected to the gas-side connection pipe (6) from a bottom of a gas-liquid separator (17), and a first open/close valve (33) arranged at the first oil return pipe (31).

IPC 8 full level

F25B 1/00 (2006.01); **F25B 13/00** (2006.01); **F25B 31/00** (2006.01); **F25B 43/02** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP)

F25B 31/004 (2013.01); **F25B 47/025** (2013.01); **F25B 2500/16** (2013.01)

Citation (search report)

- [XAI] JP 2000346502 A 20001215 - MITSUBISHI ELEC BUILDING TECHN
- [A] JP 2013029236 A 20130207 - DAIKIN IND LTD
- [A] JP 2004218992 A 20040805 - DAIKIN IND LTD
- [A] EP 2136158 A1 20091223 - DAIKIN IND LTD [JP]
- See also references of WO 2018221613A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3611442 A1 20200219; **EP 3611442 A4 20210113**; JP 2018204945 A 20181227; JP 6458895 B2 20190130; WO 2018221613 A1 20181206

DOCDB simple family (application)

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