

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 3199891 A4 20180425 (EN)

Application
EP 14902300 A 20140922

Priority
JP 2014075066 W 20140922

Abstract (en)
[origin: EP3199891A1] A refrigeration cycle apparatus includes a refrigeration cycle that includes a compressor 1, a multi-path condenser 2 including a condenser body 21 having a plurality of refrigerant paths, an expansion valve 3, and an evaporator 4, the refrigeration cycle allowing a refrigerant to circulate therethrough; a waste-heat heat exchanger 5 that recovers heat from the refrigerant discharged from the compressor 1 and heats a heat-exchange object; and an evenly distributing unit that evenly distributes the refrigerant among the plurality of refrigerant paths provided in the condenser body 21.

IPC 8 full level
F25B 41/00 (2006.01); **F25B 1/00** (2006.01); **F25B 6/02** (2006.01); **F25B 6/04** (2006.01); **F25B 25/00** (2006.01); **F25B 39/00** (2006.01); **F25B 39/04** (2006.01); **F25B 49/02** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F25B 1/00 (2013.01); **F25B 6/02** (2013.01); **F25B 6/04** (2013.01); **F25B 25/005** (2013.01); **F25B 39/04** (2013.01); **F25B 41/00** (2013.01); **F25B 49/02** (2013.01); **F25B 2339/04** (2013.01); **F25B 2339/047** (2013.01); **F25B 2400/0403** (2013.01); **F25B 2600/2501** (2013.01); **F25B 2700/2116** (2013.01)

Citation (search report)

- [X] US 2006179874 A1 20060817 - BARGER ERIC [US]
- [Y] JP 2009300021 A 20091224 - MITSUBISHI ELECTRIC CORP
- [Y] JP 2013185741 A 20130919 - RINNAI KK
- [I] WO 2014111012 A1 20140724 - SHENZHEN J & H INTELLIGENT ENERGY TECHNOLOGY CO LTD [CN]
- See references of WO 2016046882A1

Cited by
RU188096U1; WO2022082094A1

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 3199891 A1 20170802; EP 3199891 A4 20180425; EP 3199891 B1 20190529; JP 5921777 B1 20160524; JP WO2016046882 A1 20170427; WO 2016046882 A1 20160331

DOCDB simple family (application)
EP 14902300 A 20140922; JP 2014075066 W 20140922; JP 2015531774 A 20140922