

Title (en)
REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 2848876 A1 20150318 (EN)

Application
EP 13768582 A 20130326

Priority
• JP 2012074661 A 20120328
• JP 2013058687 W 20130326

Abstract (en)
An air conditioning device (1) in which, during a cooling operation, refrigerant flows sequentially through a compressor (21), an outdoor heat exchanger (23), an expansion mechanism (24), and an indoor heat exchanger (41), and during a heating operation, refrigerant flows sequentially through the compressor (21), the indoor heat exchanger (41), the expansion mechanism (24), and the outdoor heat exchanger (23). The air conditioning device (1) uses R32 as a refrigerant, the capacity of the outdoor heat exchanger (23) is less than or equal to the capacity of the indoor heat exchanger (41), and a refrigerant storage tank (25) configured to store refrigerant is provided between the outdoor heat exchanger (23) and the expansion mechanism (24).

IPC 8 full level
F25B 1/00 (2006.01); **F25B 39/00** (2006.01); **F25B 41/04** (2006.01)

CPC (source: EP US)
F25B 1/005 (2013.01 - US); **F25B 13/00** (2013.01 - EP US); **F25B 29/003** (2013.01 - US); **F25B 39/00** (2013.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F28D 1/0477** (2013.01 - EP US); **F28D 1/05383** (2013.01 - EP US); **F28F 1/32** (2013.01 - EP US); **F25B 9/002** (2013.01 - EP US); **F25B 2345/002** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F28F 2215/12** (2013.01 - EP US)

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 2848876 A1 20150318; **EP 2848876 A4 20160330**; AU 2013241498 A1 20141113; AU 2013241498 B2 20151203; CN 104185765 A 20141203; CN 104185765 B 20160420; JP 2013204922 A 20131007; JP 5617860 B2 20141105; KR 101617574 B1 20160502; KR 20140148438 A 20141231; US 2015075202 A1 20150319; WO 2013146731 A1 20131003

DOCDB simple family (application)
EP 13768582 A 20130326; AU 2013241498 A 20130326; CN 201380015601 A 20130326; JP 2012074661 A 20120328; JP 2013058687 W 20130326; KR 20147029754 A 20130326; US 201314387394 A 20130326