

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 3467400 A4 20190410 (EN)

Application
EP 16903090 A 20160524

Priority
JP 2016065339 W 20160524

Abstract (en)
[origin: EP3467400A1] A refrigeration cycle apparatus includes: a refrigerant circuit; a liquid injection pipe branching off from a pipe between a condenser and a pressure reducing device of the refrigerant circuit to be connected to a liquid injection port of a screw compressor; an adjustment device provided to the liquid injection pipe and configured to adjust a liquid injection amount; and a controller configured to control the adjustment device. The controller is configured to: perform control for controlling the adjustment device so that a discharge temperature of refrigerant discharged from the screw compressor becomes a target discharge temperature during an operation of the screw compressor; and control, when the operation of the screw compressor is to be stopped, the adjustment device to increase the liquid injection amount, and then stop the screw compressor.

IPC 8 full level
F25B 1/047 (2006.01); **F04C 18/52** (2006.01); **F04C 29/04** (2006.01); **F25B 1/00** (2006.01); **F25B 31/00** (2006.01); **F25B 41/04** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)
F04C 18/52 (2013.01 - EP US); **F04C 29/04** (2013.01 - EP); **F25B 1/00** (2013.01 - EP); **F25B 1/047** (2013.01 - EP); **F25B 31/008** (2013.01 - EP); **F25B 41/20** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP); **F25B 2700/21152** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2017203608A1

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)
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