

Title (en)  
REFRIGERATION CYCLE APPARATUS

Title (de)  
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication  
**EP 3040653 A4 20170405 (EN)**

Application  
**EP 13892679 A 20130830**

Priority  
JP 2013073257 W 20130830

Abstract (en)  
[origin: EP3040653A1] A refrigeration cycle apparatus 1 includes a main circuit 10 connecting at least a compressor 11, a gas cooler 12, a pressure reducing device 13, and an evaporator 14 by a pipe and configured to circulate refrigerant transitioning to a supercritical state at a high-pressure side; a pressure detector configured to detect refrigerant pressure in a part of the main circuit 10 between the compressor 11 and the gas cooler 12; and a pulsation suppression unit configured to suppress pulsation of the refrigerant pressure to be detected by the pressure detector.

IPC 8 full level  
**F25B 49/02** (2006.01); **F25B 1/00** (2006.01)

CPC (source: EP US)  
**F25B 41/20** (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 41/42** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP); **F25B 40/00** (2013.01 - EP); **F25B 2309/061** (2013.01 - EP); **F25B 2400/04** (2013.01 - EP); **F25B 2400/0403** (2013.01 - EP); **F25B 2400/054** (2013.01 - EP); **F25B 2500/12** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP); **F25B 2700/1931** (2013.01 - EP)

Citation (search report)

- [YA] EP 2261580 A1 20101215 - DAIKIN IND LTD [JP]
- [YA] JP S6355065 U 19880413
- [A] EP 2058609 A1 20090513 - DAIKIN IND LTD [JP]
- [A] JP S5530883 U 19800228
- [A] JP H05180545 A 19930723 - MITSUBISHI HEAVY IND LTD
- See also references of WO 2015029206A1

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 3040653 A1 20160706**; **EP 3040653 A4 20170405**; JP 6080959 B2 20170215; JP WO2015029206 A1 20170302; WO 2015029206 A1 20150305

DOCDB simple family (application)  
**EP 13892679 A 20130830**; JP 2013073257 W 20130830; JP 2015533884 A 20130830