

Title (en)  
REFRIGERATION CYCLE DEVICE

Title (de)  
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication  
**EP 3287714 A1 20180228 (EN)**

Application  
**EP 15889817 A 20150420**

Priority  
JP 2015062003 W 20150420

Abstract (en)  
In a refrigeration cycle apparatus, a cooling refrigerant flow passage 93 is formed to pass through a position where heat of refrigerant flowing through the cooling refrigerant flow passage 93 is transferred to an inverter heat radiating portion 111, a first oil flow passage 90 is formed to pass through a position where heat of refrigerating machine oil flowing through the first oil flow passage 90 is not transferred to the inverter heat radiating portion 111, a second oil flow passage 91 is formed to pass through a position where heat of refrigerating machine oil flowing through the second oil flow passage 91 is transferred to the inverter heat radiating portion 111, and a controller 7 is configured to control a second pressure reducing device and an oil flow rate control unit on the basis of a detection value measured by an inverter temperature detection device 112.

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP US)  
**F25B 1/00** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP); **F25B 31/004** (2013.01 - EP); **F25B 31/006** (2013.01 - EP); **F25B 43/02** (2013.01 - EP); **F25B 2400/0409** (2013.01 - EP); **F25B 2400/0411** (2013.01 - EP); **F25B 2500/16** (2013.01 - EP); **F25B 2700/21154** (2013.01 - EP)

Cited by  
EP4021156A4; EP3798538A4; US11668500B2; WO2024002840A3; WO2020186096A1

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 3287714 A1 20180228**; **EP 3287714 A4 20181212**; **EP 3287714 B1 20191127**; JP 6456486 B2 20190123; JP WO2016170576 A1 20171214; WO 2016170576 A1 20161027

DOCDB simple family (application)  
**EP 15889817 A 20150420**; JP 2015062003 W 20150420; JP 2017513846 A 20150420