

Title (en)  
REFRIGERATION CYCLE APPARATUS

Title (de)  
KÄLTEKREISLAUFGVORRICHTUNG

Title (fr)  
APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication  
**EP 3228951 A1 20171011 (EN)**

Application  
**EP 14907314 A 20141205**

Priority  
JP 2014082295 W 20141205

Abstract (en)

A refrigeration cycle apparatus according to the invention can continue the operation regardless of failure of any of multiple refrigerant circuits. The refrigeration cycle apparatus can also stabilize the temperature of the refrigerant to be cooled regardless of a defrosting operation of any of the refrigerant circuits during heating operations of the other refrigerant circuits. A water-side heat exchanger (8a) and a water-side heat exchanger (8c) are connected in series with a water pipe. A water-side heat exchanger (8b) and a water-side heat exchanger (8d) are connected in series with another water pipe. The water-side heat exchanger (8a) and the water-side heat exchanger (8c), which are connected in series, are connected in parallel to the water-side heat exchanger (8b) and the water-side heat exchanger (8d), which are connected in series, with other water pipes.

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

CPC (source: EP)  
**F25B 13/00** (2013.01); **F25B 47/02** (2013.01); **F25B 49/02** (2013.01); **F25B 2313/004** (2013.01); **F25B 2400/06** (2013.01)

Cited by  
EP4012299A4; US2021048216A1; US11181304B2; US11408656B2

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 3228951 A1 20171011**; **EP 3228951 A4 20180704**; **EP 3228951 B1 20210127**; JP 6410839 B2 20181024; JP WO2016088262 A1 20170427;  
WO 2016088262 A1 20160609

DOCDB simple family (application)  
**EP 14907314 A 20141205**; JP 2014082295 W 20141205; JP 2016562178 A 20141205