

Title (en)  
REFRIGERATION CYCLE DEVICE

Title (de)  
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication  
**EP 3367021 A1 20180829 (EN)**

Application  
**EP 15906648 A 20151020**

Priority  
JP 2015079553 W 20151020

Abstract (en)  
Provided is a refrigeration cycle apparatus including a refrigerant circuit sequentially connecting, with pipes, a compressor, a refrigerant-flow switching device, an air-side heat exchanger, a main expansion valve, and a water-side heat exchanger, and configured to allow refrigerant to circulate in the refrigerant circuit, the refrigeration cycle apparatus including a refrigerant amount adjustment tank arranged in parallel with the main expansion valve, and configured to store the refrigerant, a first refrigerant flow control valve provided to a pipe connected to one end of the refrigerant amount adjustment tank, the pipe being branched from a pipe connecting the air-side heat exchanger and the main expansion valve, the first refrigerant flow control valve being configured to adjust a flow rate of the refrigerant flowing into and out of the refrigerant amount adjustment tank on the basis of an opening degree of the first refrigerant flow control valve, and a second refrigerant flow control valve provided to a pipe connected to another end of the refrigerant amount adjustment tank, the pipe being branched from a pipe connecting the main expansion valve and the water-side heat exchanger, the second refrigerant flow control valve being configured to adjust a flow rate of the refrigerant flowing into and out of the refrigerant amount adjustment tank on the basis of an opening degree of the second refrigerant flow control valve.

IPC 8 full level  
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CPC (source: EP)  
**F25B 41/385** (2021.01); **F25B 41/39** (2021.01); **F25B 49/02** (2013.01); **F25B 13/00** (2013.01); **F25B 2313/003** (2013.01); **F25B 2313/004** (2013.01); **F25B 2400/0411** (2013.01); **F25B 2400/16** (2013.01); **F25B 2400/19** (2013.01); **F25B 2400/23** (2013.01); **F25B 2600/2523** (2013.01)

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