

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
F25B 43/00 (2006.01)

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