

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE FRIGORIFIQUE

Publication
EP 4012293 B1 20240710 (EN)

Application
EP 19940618 A 20190807

Priority
JP 2019031273 W 20190807

Abstract (en)
[origin: EP4012293A1] A refrigeration cycle apparatus (100) includes a compressor (1), a first heat exchanger (2), a second heat exchanger (4), an expansion valve (3), a flow rate adjuster (130), and a controller (10). The flow rate adjuster (130) adjusts an amount of refrigerant flowing per unit time through at least one of the first heat exchanger (2) and the expansion valve (3). An operation mode of the refrigeration cycle apparatus (100) includes an activation mode and a normal mode. The activation mode is executed when the compressor (1) is activated. The normal mode is executed after the activation mode. In the normal mode, the refrigerant circulates in a first circulation direction in which the refrigerant flows sequentially through the compressor (1), the first heat exchanger (2), the expansion valve (3), and the second heat exchanger (4). The controller (10) controls the compressor (1) and the flow rate adjuster (130) to reduce the amount of refrigerant flowing per unit time through at least one of the first heat exchanger (2) and the expansion valve (3) in the activation mode to be less than the amount of refrigerant in the normal mode.

IPC 8 full level
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