

Title (en)
AIR CONDITIONING DEVICE

Title (de)
KLIMATISIERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CLIMATISATION

Publication
EP 3260790 B1 20200325 (EN)

Application
EP 15882576 A 20150218

Priority
JP 2015054402 W 20150218

Abstract (en)
[origin: EP3260790A1] In an air-conditioning apparatus 100, a compressor 1, an outdoor heat exchanger 3, an indoor heat exchanger 5, and a four-way valve 2 provided closer to the discharge side of the compressor 1 than the outdoor heat exchanger 3 and provided closer to the discharge side of the compressor 1 than the indoor heat exchanger 5 are connected with each other. The air-conditioning apparatus 100 includes a fan 31 configured to deliver air toward the outdoor heat exchanger 3, a power unit configured to supply electric power to the fan 31, a fan input detector configured to detect a physical value related to the electric power supplied to the fan 31, and a controller 80 configured to control the four-way valve 2 to switch between a first operation in which the outdoor heat exchanger 3 functions as an evaporator and a second operation in which the outdoor heat exchanger 3 functions as a condenser. The first operation is switched to the second operation when the physical value detected by the fan input detector is equal to or larger than a reference value. The controller 80 adjusts the reference value so that the reference value when refrigerant flowing through the outdoor heat exchanger 3 has a high temperature is smaller than the reference value when the refrigerant has a low temperature.

IPC 8 full level
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F25B 2313/0294 (2013.01 - US); **F25B 2313/0315** (2013.01 - US); **F25B 2600/0253** (2013.01 - US); **F25B 2700/15** (2013.01 - US)

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