

Title (en)
FREEZING DEVICE

Title (de)
TIEFKÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE CONGÉLATION

Publication
EP 3264008 B1 20190703 (EN)

Application
EP 15885373 A 20150313

Priority
JP 2015057591 W 20150313

Abstract (en)
[origin: EP3264008A1] A controller of a refrigeration apparatus includes a temperature determination unit configured to determine whether a heat radiating unit temperature is within a target temperature range, a superheat degree calculation unit configured to calculate a degree of superheat of refrigerant flowing through an economizer from a state of refrigerant detected in a state detection unit, and an opening degree control unit configured, when the temperature determination unit determines that the heat radiating unit temperature is within the target temperature range, to control an opening degree of a flow rate regulation device so that the degree of superheat calculated in the superheat degree calculation unit reaches a target degree of superheat, and configured, when the temperature determination unit determines that the heat radiating unit temperature is outside the target temperature range, to control an opening degree of the flow rate regulation device so that the heat radiating unit temperature falls within the target temperature range.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP)
F25B 1/00 (2013.01); **F25B 49/02** (2013.01); **F25B 2400/05** (2013.01); **F25B 2400/13** (2013.01); **F25B 2600/2509** (2013.01); **F25B 2700/2103** (2013.01); **F25B 2700/21154** (2013.01)

Cited by
EP4021156A4; EP3798538A4; US11668500B2; WO2019243566A1; WO2020182462A1

Designated contracting state (EPC)
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