

Title (en)
FREEZING DEVICE

Title (de)
GEFRIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CONGÉLATION

Publication
EP 2175212 B1 20200212 (EN)

Application
EP 08764088 A 20080611

Priority
• JP 2008001493 W 20080611
• JP 2007173372 A 20070629

Abstract (en)
[origin: EP2175212A1] The present disclosure allows for easy settling of control of capability of an refrigeration apparatus for performing a supercritical refrigeration cycle. An air conditioner (10) includes: a refrigerant circuit (20) sequentially connecting a compressor (21), an outdoor heat exchanger (23), an outdoor expansion valve (24), and an indoor heat exchanger (27), and performing a supercritical refrigeration cycle in which a high pressure is a supercritical pressure or higher; and a controller (40) for controlling a plurality of objects of control including at least the compressor (21) and the outdoor expansion valve (24). The controller (40) concurrently controls the plurality of objects of control, thereby concurrently controlling a predetermined physical value as an index of an ability of the refrigeration apparatus, and the high pressure of the refrigeration cycle.

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EP3702696A4; EP3118547A1; EP3015798A1; EP3029330A1; EP2551612A3; EP2873934A4; EP3073348A1; EP3267127A4; US10451325B2; US10816245B2; US11333449B2; US9933194B2; WO2014087168A1; WO2014031559A1; US10775086B2; US11460230B2; WO2012036855A1; WO2017067858A1

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