

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.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 1/10** (2006.01); **F25B 9/00** (2006.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)
F25B 1/10 (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25B 41/39** (2021.01 - EP); **F25B 49/02** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 41/39** (2021.01 - US); **F25B 49/027** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2313/005** (2013.01 - EP US); **F25B 2313/0233** (2013.01 - EP US); **F25B 2313/0272** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2313/0314** (2013.01 - EP US); **F25B 2313/0315** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F25B 2600/17** (2013.01 - EP US); **F25B 2600/21** (2013.01 - EP US); **F25B 2600/2513** (2013.01 - EP US); **F25B 2700/1931** (2013.01 - EP US); **F25B 2700/1933** (2013.01 - EP US); **F25B 2700/2102** (2013.01 - EP US); **F25B 2700/2106** (2013.01 - EP US); **F25B 2700/21152** (2013.01 - EP US); **F25B 2700/21174** (2013.01 - EP US)

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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2175212 A1 20100414; **EP 2175212 A4 20141008**; **EP 2175212 B1 20200212**; AU 2008272365 A1 20090108; AU 2008272365 B2 20110728; CN 101688700 A 20100331; CN 101688700 B 20130327; ES 2784013 T3 20200921; JP 2009014210 A 20090122; KR 20100036345 A 20100407; US 2010175400 A1 20100715; WO 2009004761 A1 20090108

DOCDB simple family (application)
EP 08764088 A 20080611; AU 2008272365 A 20080611; CN 200880022701 A 20080611; ES 08764088 T 20080611; JP 2007173372 A 20070629; JP 2008001493 W 20080611; KR 20107001866 A 20080611; US 66701608 A 20080611