

Title (en)
REFRIGERATING/AIR-CONDITIONING DEVICE

Title (de)
KÜHL-/KLIMAANLAGENVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION/CLIMATISATION

Publication
EP 3130870 B1 20180509 (EN)

Application
EP 16183268 A 20160808

Priority
JP 2015158200 A 20150810

Abstract (en)
[origin: EP3130870A1] In a refrigeration / air-conditioning device including a refrigeration cycle (29), and an expansion valve control means (35), the expansion valve control means (35) includes a target value switching means (36) which adopts the lower one of a target degree of discharge superheat TdSH plus a high pressure saturation temperature and an upper-limit value of the discharge temperature Td as a target value, or compares a target discharge temperature Td obtained by calculation from the rotational speed of a compressor and the high pressure saturation temperature with an upper-limit value and adopts the lower one of the target discharge temperature Td and the upper-limit value as the target discharge temperature Td while performing the control at the predetermined degree of discharge superheat TdSH or the control at the predetermined discharge temperature Td.

IPC 8 full level
F25B 49/02 (2006.01)

CPC (source: EP)
F25B 49/02 (2013.01); **F25B 2600/2513** (2013.01); **F25B 2700/21151** (2013.01); **F25B 2700/21152** (2013.01)

Cited by
CN109798626A; CN111566422A; CN115930392A; CN112710071A; US2019248209A1; US10870332B2; EP3730875A4; US11340002B2; US10955179B2; CN111664559A; EP3825630A1; IT201900021534A1; US11428447B2; WO2019113094A1; WO2019133720A1; TWI801460B; WO2023010931A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3130870 A1 20170215; EP 3130870 B1 20180509; AU 2016213701 A1 20170302; AU 2016213701 B2 20171130; JP 2017036881 A 20170216; JP 6594698 B2 20191023

DOCDB simple family (application)
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