

Title (en)

TWO-STAGE-COMPRESSION REFRIGERATING CYCLE APPARATUS, AND DEVICE AND METHOD FOR CONTROLLING THE APPARATUS

Title (de)

KÄLTEKREISLAUFVORRICHTUNG MIT ZWEISTUFIGER VERDICHTUNG SOWIE VORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER VORRICHTUNG

Title (fr)

APPAREIL À CYCLE DE RÉFRIGÉRATION À DEUX ÉTAGES ET DISPOSITIF ET PROCÉDÉ DE COMMANDE DE L'APPAREIL

Publication

**EP 3026370 A1 20160601 (EN)**

Application

**EP 15191998 A 20151029**

Priority

JP 2014225277 A 20141105

Abstract (en)

An objective of the present invention is to avoid increases in size and cost of a driver for a higher-stage compressor. In an air conditioner having a two-stage-compression refrigerating cycle, a higher-stage compressor (3b) is driven by a higher-stage driver (22b). The higher-stage driver (22b) controls the rotational speed of the higher-stage compressor (3b) on the basis of a higher-stage rotational speed command (Éb\*) given from a compressor control section (21). The compressor control section (21) includes a target setting section (31) which sets a target intermediate pressure in accordance with a predetermined algorithm, a determination section (32) which determines whether or not a motor current in the higher-stage driver (22b) has exceeded a current limit value, and a target changing section (33) which increases the target intermediate pressure if the motor current has exceeded the current limit value.

IPC 8 full level

**F25B 1/10** (2006.01); **F25B 49/00** (2006.01); **F25B 49/02** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)

**F25B 1/10** (2013.01); **F25B 41/39** (2021.01); **F25B 49/005** (2013.01); **F25B 49/02** (2013.01); **F25B 13/00** (2013.01); **F25B 2400/13** (2013.01); **F25B 2400/23** (2013.01); **F25B 2600/2513** (2013.01); **F25B 2700/151** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3026370 A1 20160601**; JP 2016090142 A 20160523; JP 6656801 B2 20200304

DOCDB simple family (application)

**EP 15191998 A 20151029**; JP 2014225277 A 20141105