

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
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Priority
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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.

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Citation (applicant)
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