

Title (en)

ROTARY COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)

DREHKOMPRESSOR UND KÜHLKREISVORRICHTUNG DAMIT

Title (fr)

COMPRESSEUR ROTATIF ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication

EP 3514391 A4 20200122 (EN)

Application

EP 17850474 A 20170414

Priority

- JP 2016179607 A 20160914
- JP 2017015299 W 20170414

Abstract (en)

[origin: EP3514391A1] A rotary compressor and a refrigerating cycle device which are small in size yet large in discharge volume are provided. In a rotary compressor 2 by which the maximum discharge pressure of a working fluid becomes 3 or more MPa, any of the following relational expressions (1) to (3) are satisfied where an inner diameter of cylinder chambers 20a, 20b is D1, a total height of the cylinder chambers 20a, 20b is H, a distance from an upper end portion of a stator 14 to an inner wall surface of an upper portion of a hermetic case is L1, a sectional area of an inner side of the hermetic case is Ac, a total sectional area of a discharge flow channel 15 is Ad and a thickness of a stator core 14a of the stator 14 is T.

IPC 8 full level

F04C 23/00 (2006.01); **F04C 18/356** (2006.01)

CPC (source: EP)

F04C 23/008 (2013.01); **F04C 18/356** (2013.01); **F04C 23/003** (2013.01)

Citation (search report)

- [I] WO 2013065706 A1 20130510 - TOSHIBA CARRIER CORP [JP]
- [A] JP 2008014150 A 20080124 - TOSHIBA CARRIER KK
- [A] WO 2016056065 A1 20160414 - MITSUBISHI ELECTRIC CORP [JP]
- See also references of WO 2018051567A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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