

Title (en)

SCREW COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)

SCHRAUBENVERDICHTER UND KÜHLZYKLUSVORRICHTUNG

Title (fr)

COMPRESSEUR À VIS ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication

**EP 3421800 B1 20200325 (EN)**

Application

**EP 16891410 A 20160223**

Priority

JP 2016055145 W 20160223

Abstract (en)

[origin: EP3421800A1] A highly efficient screw compressor and a refrigeration cycle apparatus simplifying control of a discharge port valve are obtained. The screw compressor includes: a casing body having a hollow part; a screw rotor rotating around a rotation shaft in the hollow part of the casing body; a semi-cylindrical groove formed on an outer side in a radial direction of the hollow part of the casing body and extending in a direction of the rotation shaft of the screw rotor; and a discharge port valve contained in the semi-cylindrical groove, wherein an edge part of the discharge port valve, in which a discharge outlet facing an outer circumference of the screw rotor is opened, is formed into a stepped shape changing a flow path area of a discharge flow path in a stepwise manner.

IPC 8 full level

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