

Title (en)

ROTARY COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)

DREHKOMPRESSOR UND KÜHLKREISVORRICHTUNG DAMIT

Title (fr)

COMPRESSEUR ROTATIF ET DISPOSITIF DE CYCLE DE RÉFRIGÉRATION

Publication

**EP 3184822 B1 20210331 (EN)**

Application

**EP 15834041 A 20150723**

Priority

- JP 2014169557 A 20140822
- JP 2015003684 W 20150723

Abstract (en)

[origin: EP3184822A1] Provided are: a rotary compressor wherein it is possible to reduce discharge resistance and pulsation, improve performance, and reduce noise; and a refrigeration cycle device. A compression mechanism part (12) has a cylinder (15) and a pair of closing members (17, 18) for closing off both ends of the cylinder (15) and forming a cylinder chamber (16) in the cylinder (15). The closing members (17, 18) are provided with discharge ports (22, 26) for discharging a hydraulic fluid compressed in the cylinder chamber (16) and discharge valves (23, 27) for opening/closing the discharge ports (22, 26). One of the discharge ports (22), which is formed in one of the closing members (17), is formed so as to have a smaller opening area than that of the other discharge port (26), which is formed in the other closing member (18). One of the discharge valves (23), for opening/closing the discharge port (22) having the smaller opening area, is opened by a smaller differential pressure than that for the other discharge valve (27).

IPC 8 full level

**F04C 18/356** (2006.01); **F04C 23/00** (2006.01); **F04C 29/00** (2006.01); **F04C 29/06** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)

**F04C 18/3564** (2013.01); **F04C 23/008** (2013.01); **F04C 29/068** (2013.01); **F04C 29/124** (2013.01); **F04C 2250/102** (2013.01)

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