

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 2873863 B1 20171206 (EN)

Application
EP 13809382 A 20130621

Priority
• JP 2012142632 A 20120626
• JP 2013003890 W 20130621

Abstract (en)
[origin: EP2873863A1] A discharge port 41 of refrigerant is provided with a discharge valve 44. A thick section 7t of an end plate member 7 between the refrigerant discharge space 52 and a cylinder chamber 26 is made thicker than a minimum thick section 7wmin between an oil retaining section 53 and the cylinder chamber 26. That is, a thickness of the end plate member 7 of the discharged refrigerant space 52 in the vicinity of the discharge valve 44 which requires high rigidity is made thick, and a thickness of a thick section 7w of the end plate member 7 forming an oil retaining section 53 which is filled with oil whose temperature is lower than discharged refrigerant and oil in the oil reservoir 22 and which is desired to exert a heat-insulating effect near sucked refrigerant is made thin conversely. Hence, heat-reception of sucked refrigerant is suppressed.

IPC 8 full level
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CPC (source: CN EP)
F04C 18/3564 (2013.01 - CN EP); **F04C 23/008** (2013.01 - CN EP); **F04C 29/04** (2013.01 - CN EP); **F04C 29/12** (2013.01 - CN EP);
F04C 23/001 (2013.01 - CN EP)

Cited by
US11231034B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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