

Title (en)
HERMETIC COMPRESSOR AND REFRIGERATION DEVICE WITH SAME

Title (de)
HERMETISCHER VERDICHTER UND KÜHLVORRICHTUNG DAMIT

Title (fr)
COMPRESSEUR HERMÉTIQUE ET DISPOSITIF DE RÉFRIGÉRATION LE COMPRENANT

Publication
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Application
EP 13868684 A 20131226

Priority
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Abstract (en)
[origin: EP2940300A1] A hermetic compressor according to the present invention includes: an electric element (103); a compression element (105) driven by the electric element (103); and a sealed container (101) accommodating the electric element (103) and the compression element (105), the sealed container (101) storing an oil (113). The compression element (105) includes: a crank shaft (119) including a main shaft (129), an eccentric shaft (127), and an oil supply mechanism (131); a cylinder block (121) including a main bearing (137) and a cylinder (135), the main bearing (137) pivotally supporting the main shaft (129) of the crank shaft (119), the cylinder (135) forming a compression chamber (133); a piston (123) configured to move inside the cylinder (135) in a reciprocating manner; and a connector (125) connecting the eccentric shaft (127) and the piston (123). A first oil groove (139A) extending in a circumferential direction of the cylinder (135) is provided on at least part of an upper outer peripheral surface of the cylinder (135).

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Citation (search report)
• [YDA] JP 2010065589 A 20100325 - TOSHIBA CARRIER CORP
• [YA] JP 2011111987 A 20110609 - HITACHI APPLIANCES INC
• [YA] US 2004221716 A1 20041111 - KIM JIN UG [KR]
• [Y] JP H09112428 A 19970502 - MATSUSHITA REFRIGERATION
• [A] DE 1797261 U 19591008 - LICENTIA GMBH [DE]
• See references of WO 2014103320A1

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