

Title (en)
HERMETICALLY SEALED COMPRESSOR

Title (de)
HERMETISCH ABGEDICHTETER VERDICHTER

Title (fr)
COMPRESSEUR HERMETIQUE

Publication
EP 1704328 A1 20060927 (EN)

Application
EP 05745831 A 20050527

Priority
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Abstract (en)
[origin: WO2005116449A1] A hermetically sealed compressor includes a sealed vessel filled with a coolant and a freezer oil, an electromotive element including a rotor and a stator and accommodated within the sealed vessel, and a compressing element accommodated within an upper region of the sealed vessel and adapted to be driven by the electromotive element. This compressing element is provided with a shaft, arranged so as to extend vertically and having the rotor mounted thereon, and a bearing for supporting the shaft. A first oil pump is provided in a lower portion of the shaft and opening into the freezer oil, a second oil pump is provided above the first oil pump and formed by a spiral groove, provided on an outer periphery of the shaft, and an inner peripheral wall surface of the rotor, and a third oil pump is provided above the second oil pump and formed by a spiral groove, provided on the outer periphery of the shaft, and an inner peripheral surface of the bearing.

IPC 8 full level
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