

Title (en)
HERMETIC REFRIGERANT COMPRESSOR

Title (de)
HERMETISCHER KÄLTEMITTELVERDICHTER

Title (fr)
COMPRESSEUR DE REFRIGERANT HERMETIQUE

Publication
EP 1828603 A1 20070905 (DE)

Application
EP 05825178 A 20051222

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Abstract (en)
[origin: WO2006067218A1] The invention relates to a hermetically enclosed refrigerant compressor having a hermetically tight compressor housing (1) inside of which a piston/cylinder unit that compresses a refrigerant operates with a suction valve having a suction opening located in a valve plate of said unit. A suction sound damper (16) having a filling volume (20) is provided on the cylinder head (15) of the piston/cylinder unit and refrigerant flows to the suction valve of the piston/cylinder unit via this suction sound damper. To this end, the suction sound damper (16) has an entry cross-section (18) via which refrigerant flows into the suction sound damper (16), and a compensation volume (21) is provided, which is connected to the suction sound damper (16) and to the interior of the compressor housing (1), and inside of which refrigerant oscillates. The compensation volume (21) equals 0.5 to 3 times the displacement of the piston of the piston/cylinder unit.

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F04B 39/0061 (2013.01 - EP US); **F04B 39/0072** (2013.01 - EP US); **F04B 39/123** (2013.01 - EP US)

Citation (search report)
See references of WO 2006067218A1

Cited by
US11293420B2; WO2021119683A1

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