

Title (en)
REFRIGERANT COMPRESSOR

Title (de)
KÄLTEMITTELVERDICHTER

Title (fr)
COMPRESSEUR DE RÉFRIGÉRANT

Publication
EP 2235372 B1 20120801 (DE)

Application
EP 08867732 A 20081218

Priority
• EP 2008067933 W 20081218
• AT 7642007 U 20071227

Abstract (en)
[origin: WO2009083481A1] A refrigerant piston compressor for a hermetically encapsulated small refrigerator, which has a piston (20), which is guided in a piston hole (3) of a cylinder housing (1), wherein said cylinder housing is frontally terminated using a valve plate (7), which has a pressure opening (17) and a suction opening (16), and is also frontally provided with holes (5), each of which have a thread. In order to adapt refrigerant piston compressors having a bolted-on cylinder head so that an energy-efficient redesign of the construction cylinder cover-valve plate-cylinder housing is possible, wherein the changes on the construction necessary for this purpose are simultaneously minimized, it is provided that a first clamping element (11), which is screwed into the holes (5), is provided, which presses the valve plate (7) in the area of at least one section of the piston hole wall (14) against the cylinder housing (1) and has a bias tension in the direction of the valve plate (7) in the bolted-on state.

IPC 8 full level
F04B 39/12 (2006.01)

CPC (source: EP US)
F04B 39/10 (2013.01 - EP US); **F04B 39/1066** (2013.01 - EP US); **F04B 39/122** (2013.01 - EP US); **F04B 39/125** (2013.01 - EP US)

Cited by
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DOCDB simple family (publication)
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