

Title (en)  
REFRIGERANT COMPRESSOR

Title (de)  
KÄLTEMITTELVERDICHTER

Title (fr)  
COMPRESSEUR DE RÉFRIGÉRANT

Publication  
**EP 2235372 A1 20101006 (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)

Citation (search report)  
See references of WO 2009083481A1

Cited by  
CN113090493A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**AT 10393 U1 20090215**; CN 101910631 A 20101208; CN 101910631 B 20160615; EP 2235372 A1 20101006; EP 2235372 B1 20120801; SI 2235372 T1 20121231; US 2010290939 A1 20101118; US 8398385 B2 20130319; WO 2009083481 A1 20090709

DOCDB simple family (application)  
**AT 7642007 U 20071227**; CN 200880122510 A 20081218; EP 08867732 A 20081218; EP 2008067933 W 20081218; SI 200830805 T 20081218; US 73525208 A 20081218