

Title (en)
REFRIGERANT COMPRESSOR

Title (de)
KÄLTEMITTELVERDICHTER

Title (fr)
COMPRESSEUR FRIGORIFIQUE

Publication
EP 1869323 A1 20071226 (DE)

Application
EP 06725444 A 20060330

Priority
• EP 2006061196 W 20060330
• AT 2232005 U 20050412
• AT 592006 U 20060127

Abstract (en)
[origin: US2009214367A1] A hermetically encapsulated refrigerant compressor having a hermetically sealed compressor housing, in whose interior a piston-cylinder unit operates, whose cylinder housing (1) is closed using a valve plate (2) having a pressure hole (10) and a suction hole (16), and a suction channel and a pressure channel are provided. Preferably V-shaped sealing beads (23) or sealing projections (22) are provided in the valve plate (2) and the front face of the component (9) forming the suction channel is equipped along its suction contact edge (17) with sealing projections (22) or sealing beads (23) essentially corresponding to the V-shaped sealing beads (23) or sealing projections (22), the sealing projections (22) being implemented differently from the sealing beads (23) in their geometrical design and/or having a different volume.

IPC 8 full level
F04B 39/12 (2006.01)

CPC (source: EP US)
F04B 39/06 (2013.01 - EP US); **F04B 39/123** (2013.01 - EP US); **F04B 39/125** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006108767 A1 20061019; WO 2006108767 A9 20070913; AT E448405 T1 20091115; CN 101180465 A 20080514;
CN 101180465 B 20110622; DE 502006005341 D1 20091224; EP 1869323 A1 20071226; EP 1869323 B1 20091111;
US 2009214367 A1 20090827

DOCDB simple family (application)
EP 2006061196 W 20060330; AT 06725444 T 20060330; CN 200680017704 A 20060330; DE 502006005341 T 20060330;
EP 06725444 A 20060330; US 91828506 A 20060330