

Title (en)
REFRIGERANT COMPRESSOR

Title (de)
KÄLTEMITTELVERDICHTER

Title (fr)
COMPRESSEUR DE RÉFRIGÉRANT

Publication
EP 2021632 A1 20090211 (DE)

Application
EP 07729392 A 20070522

Priority
• EP 2007054953 W 20070522
• AT 4112006 U 20060522

Abstract (en)
[origin: US2009175741A1] A hermetically encapsulated refrigerant compressor which has a hermetically sealed compressor housing (1), in the interior of which operates a refrigerant-compressing piston-cylinder unit, and is provided with a suction duct (2), via which refrigerant is conveyed into the compressor housing (1), and is provided with a pressure duct (3), via which refrigerant is conveyed out of the compressor housing (1) by the piston-cylinder unit. In order to prevent contact of oil (4) flowing down the compressor housing wall with the suction duct (2) or the pressure duct (3), it is provided in accordance with the invention that in the operating position of the compressor housing (1) deflection means (5, 6) are provided on the same above the passage of the suction duct (2) or pressure duct (3) through the compressor housing wall. The heating of the refrigerant is thus prevented and the efficiency of the refrigerant compressor is increased.

IPC 8 full level
F04B 39/02 (2006.01); **F04B 39/12** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP US)
F04B 39/023 (2013.01 - EP US); **F04B 39/121** (2013.01 - EP US); **F04B 39/123** (2013.01 - EP US); **F25B 31/002** (2013.01 - EP US)

Citation (search report)
See references of WO 2007135152A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2009175741 A1 20090709; **US 8740580 B2 20140603**; AT 9232 U1 20070615; AT E444445 T1 20091015; CN 101449059 A 20090603; CN 101449059 B 20110907; DE 502007001645 D1 20091112; EP 2021632 A1 20090211; EP 2021632 B1 20090930; WO 2007135152 A1 20071129

DOCDB simple family (application)
US 22653507 A 20070522; AT 07729392 T 20070522; AT 4112006 U 20060522; CN 200780018658 A 20070522; DE 502007001645 T 20070522; EP 07729392 A 20070522; EP 2007054953 W 20070522