

Title (en)
COMPRESSOR FOR A REFRIGERATION DEVICE

Title (de)
VERDICHTER FÜR EIN KÄLTEGERÜT

Title (fr)
COMPRESSEUR POUR UN APPAREIL FRIGORIFIQUE

Publication
EP 1831565 B1 20100210 (DE)

Application
EP 05813686 A 20051130

Priority

- EP 2005056347 W 20051130
- DE 102004062297 A 20041223

Abstract (en)
[origin: WO2006069883A1] A compressor, especially for a coolant in a refrigeration device, comprises a compartment (20), a piston (23) which can be displaced inside the compartment (20) and valves (26, 27) which are arranged between the compartment (20) and a suction connection (24) or a pressure connection (25). The invention is characterized in that the movable parts (19) of said valves are provided with a coating that is harder than the movable parts.

IPC 8 full level
F04B 39/10 (2006.01); **F04B 27/10** (2006.01); **F04B 35/04** (2006.01)

CPC (source: EP US)
F04B 35/045 (2013.01 - EP US); **F04B 39/10** (2013.01 - EP US); **F04B 39/1073** (2013.01 - EP US); **F05C 2203/08** (2013.01 - EP US);
F05C 2253/12 (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 2006069883 A1 20060706; AT E457426 T1 20100215; CN 101087956 A 20071212; DE 102004062297 A1 20060713;
DE 502005009014 D1 20100325; EP 1831565 A1 20070912; EP 1831565 B1 20100210; ES 2338906 T3 20100513;
RU 2007121325 A 20090127; RU 2387874 C2 20100427; US 2008112829 A1 20080515

DOCDB simple family (application)
EP 2005056347 W 20051130; AT 05813686 T 20051130; CN 200580044303 A 20051130; DE 102004062297 A 20041223;
DE 502005009014 T 20051130; EP 05813686 A 20051130; ES 05813686 T 20051130; RU 2007121325 A 20051130; US 79404305 A 20051130