

Title (en)

COMPRESSOR SHELL FOR A REFRIGERANT COMPRESSOR

Title (de)

VERDICHTERGEHÄUSE FÜR EINEN KÄLTEMITTELVERDICHTER

Title (fr)

CARTER DE COMPRESSEUR POUR UN COMPRESSEUR DE RÉFRIGÉRANT

Publication

EP 4170166 A1 20230426 (EN)

Application

EP 22203368 A 20221024

Priority

EP 21204539 A 20211025

Abstract (en)

The invention relates to a compressor shell for a refrigerant compressor; wherein the compressor shell encloses an inner containing space (130) for housing a pump unit of the refrigerant compressor; wherein four mounting pins (140) are extending from the bottom wall (111) into the containing space (130), wherein each mounting pin (140) is configured to mount a support spring assembly for supporting the pump unit, wherein the four mounting pins (140) are arranged in a rectangular shape. In order to improve the compressor shell (100) design with regard to the formation of an oil pocket (104) in which an oil sump forms during operation so as to reduce the probability of malfunction of the lubricant conveying system it is provided according to the invention that a first centre point (C₁) of the four mounting pins (140) is offset in the length direction (x) with regard to a second centre point (C₂) of an outline of the compressor shell (100) and that a curved section (111a) of a bottom wall (111) of a lower shell part (110) is convexly curved in order to form an oil pocket (104), wherein a lowest point of the oil pocket (104), seen in the height direction (z), is aligned with the first centre point (C₁).

IPC 8 full level

F04B 39/00 (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)

F04B 39/0027 (2013.01); **F04B 39/0044** (2013.01); **F04B 39/023** (2013.01); **F04B 39/0284** (2013.01); **F04B 39/121** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4170166 A1 20230426; **EP 4170166 B1 20240508**; CN 216922415 U 20220708

DOCDB simple family (application)

EP 22203368 A 20221024; CN 202220248002 U 20220126