Title (en)

Hermetic compressor

Title (de)

Hermetischer Verdichter

Title (fr)

Compresseur hermétique

Publication

EP 1471259 A2 20041027 (EN)

Application

EP 04016830 A 20020201

Priority

- EP 02250724 A 20020201
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- JP 2001037093 A 20010214

Abstract (en)

A compression element (8) is driven by a motor element (6) to compress refrigerant gas sucked from the external of a closed container (4) and discharge the refrigerant gas to the side of the motor element and out of the container. Partition walls (72,73) sectioning an interior portion of the container on the sides of the motor element and oil pump (66) allow the refrigerant gas and lubricating oil to move. An independent claim is also included for a cooling system.

A cooling system for an electric compressor for vehicle use is disclosed. The system comprises an electric compressor having a motor housed within a closed container and a compression element driven by said motor which compresses a refrigerant gas drawn from the exterior of said closed container and thereafter discharges it to the exterior of said closed container, and heat exchanging means arranged to establish a heat exchanging relationship with an engine cooling system of the vehicle. The refrigerant gas discharged from said compression element flows to said heat exchanging means and returns to the said motor side within said closed container and thereafter is discharged to the exterior of said closed container. <IMAGE>

IPC 1-7

F04C 23/00; F04C 18/356

IPC 8 full level

F04C 23/00 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)

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