

Title (en)
HERMETIC COMPRESSOR

Title (de)
HERMETISCHER VERDICHTER

Title (fr)
COMPRESSEUR HERMÉTIQUE

Publication
EP 2327882 A2 20110601 (EN)

Application
EP 09813102 A 20090903

Priority
• JP 2009065784 W 20090903
• JP 2008230907 A 20080909

Abstract (en)
There is provided a hermetic compressor which has a simplified structure and can satisfactorily separate a lubricating oil from a refrigerant and efficiently discharge the refrigerant from a hermetic container. A discharge passage (90) is provided to extend through a scroll unit (30) and a primary shaft frame (14), or between an inner wall surface of a body (3) of a hermetic container (2) and the scroll unit (30) and primary shaft frame (14) to guide the refrigerant with the lubricating oil directly to a stator (8) of an electric motor (6). Over the stator (96), an oil separation plate (96) is provided to separate the lubricating oil from the refrigerant conveyed through the discharge passage (96). A discharge pipe (72) is fitted to the body, below the primary shaft frame, to allow the refrigerant with the lubricating oil removed to be discharged from the hermetic container.

IPC 8 full level
F04C 18/02 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)
F04C 18/0215 (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/026** (2013.01 - EP US); **F04C 2240/806** (2013.01 - EP US)

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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