

Title (en)
HERMETICALLY SEALED ELECTRIC COMPRESSOR

Title (de)
HERMETISCH VERSIEGELTER ELEKTRISCHER VERDICHTER

Title (fr)
COMPRESSEUR ÉLECTRIQUE SCELLÉ HERMÉTIQUEMENT

Publication
EP 3258106 A4 20180404 (EN)

Application
EP 16749154 A 20160204

Priority
• JP 2015023124 A 20150209
• JP 2016053423 W 20160204

Abstract (en)
[origin: EP3258106A1] Provided is a hermetic compressor with which oil rising caused by agitation or lifting of oil is suppressed to improve the reliability in ensuring the oil level, and with which it is possible to ensure installation precision and ease of assembly of the oil agitation/lifting preventive cover, a simplified configuration, and lower costs. The hermetic compressor is provided with a housing (2), a compressor (3) installed in the upper interior of the housing (2), a motor (9) which is installed in the housing (2) on the lower part of the compressor (3) and which drives the compressor (3) via a drive shaft (15), and the oil feed pump (17) which is provided on the lower end of the drive shaft (15) and which feeds oil that has been filled into the housing (2) to sliding parts of the compressor (3) via an oil feed hole (19) in the drive shaft (15); the motor (9) being a concentrated winding motor having a stator (10) around which a coil winding (14) is wound in concentrated fashion via resinous insulation bobbins (12, 13), and an oil agitation/lifting preventive cover (21) being detachably or integrally provided to the lower resinous insulation bobbin (13).

IPC 8 full level
F04B 39/04 (2006.01); **F04B 39/02** (2006.01); **F04C 18/02** (2006.01); **F04C 29/02** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)
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Citation (search report)
• [I] EP 2565458 A1 20130306 - SANYO ELECTRIC CO [JP]
• [I] JP 2007009789 A 20070118 - DENSO CORP
• [A] US 2013057120 A1 20130307 - TAKASU YOGO [JP], et al
• [A] WO 2010103871 A1 20100916 - DAIKIN IND LTD [JP], et al
• [A] EP 2565455 A2 20130306 - SANYO ELECTRIC CO [JP]
• [A] EP 0157390 A2 19851009 - MITSUBISHI ELECTRIC CORP [JP]
• [A] "Schnappverbindungen aus Kunststoff", 1 January 1989, EXPERT VERLAG, Ehningen bei Böblingen, ISBN: 978-3-8169-0488-5, article UWE DELPY ET AL: "Schnappverbindungen aus Kunststoff", pages: 1,2,9,36, XP055428286
• See references of WO 2016129510A1

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DOCDB simple family (publication)
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DOCDB simple family (application)
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