

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 2009285 A4 20140115 (EN)

Application
EP 07741682 A 20070416

Priority
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Abstract (en)
[origin: EP2009285A1] A stator core 510 of a motor 3 has a plurality of oil return passages 530 extending through one surface 510a and the other surface 510b of the core. On the other surface 510b of the stator core 510, a hydraulic diameter of each oil return passage 530 is 5 mm or larger, and a ratio of a total area of the oil return passages 530 to an area of a virtual circle having a diameter equal to a maximum outer diameter of the stator core 510 is 5 to 15%. Thereby, lubricating oil accumulated on the other surface 510b side of the stator core 510 is returned to an oil reservoir 9 through the oil return passages 530, and shortage of oil in the oil reservoir 9 is prevented. Furthermore, a cross sectional area of the stator core 510 can be securely kept, and motor efficiency is maintained.

IPC 8 full level
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F04C 29/028 (2013.01 - EP US); **F04C 18/3564** (2013.01 - EP US); **F04C 29/045** (2013.01 - EP US)

Citation (search report)
• [X] WO 2005096469 A2 20051013 - EMERSON ELECTRIC CO [US], et al
• [A] EP 1312880 A2 20030521 - SANYO ELECTRIC CO [JP]
• See references of WO 2007123074A1

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