

Title (en)
SEALED-TYPE ELECTRIC COMPRESSOR

Title (de)
VERSIEGELTER ELEKTRISCHER VERDICHTER

Title (fr)
COMPRESSEUR ÉLECTRIQUE DE TYPE ÉTANCHE

Publication
EP 3147508 A1 20170329 (EN)

Application
EP 15836201 A 20150812

Priority
• JP 2014175454 A 20140829
• JP 2015072826 W 20150812

Abstract (en)
Provided is a sealed-type electric compressor that can easily reduce vibration and noise simply by changing the shape of a portion of a casing, without impacting in any way a compressor mechanism and an electric motor, or the performance and reliability thereof. In a sealed-type electric compressor (1), an electric motor (5) and a compressor mechanism (6) are accommodated in a cylindrical casing (2), and the compressor mechanism (6) can be driven by the electric motor (5). Both-end portions (E1, E2) of a stator (12) of the electric motor (5) are shrink-fit, press-fit, or welded to the circular inner circumferential surface of the cylindrical casing (2), and as a result, the electric motor is fixedly disposed. An intermediate portion (M) excluding the both-end portions (E1, E2) is not in contact with the casing (2), over a whole or a part excluding a contact portion.

IPC 8 full level
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