

Title (en)

ELECTRIC COMPRESSOR AND METHOD FOR ASSEMBLING ELECTRIC COMPRESSOR

Title (de)

ELEKTRISCHER VERDICHTER UND VERFAHREN ZUM ZUSAMMENBAU DES ELEKTRISCHEN VERDICHTERS

Title (fr)

ÉLECTRO-COMPRESSEUR ET PROCÉDÉ D'ASSEMBLAGE D'ÉLECTRO-COMPRESSEUR

Publication

EP 2873859 A4 20151202 (EN)

Application

EP 13816417 A 20130524

Priority

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- JP 2013025180 A 20130213
- JP 2013064462 W 20130524

Abstract (en)

[origin: EP2873859A1] An electric compressor (1, 101) and a method for assembling the same include: an electric motor unit (3, 104) including a stator (32, 113) fixed to a housing (2, 102) by a press-fitting to an inner peripheral wall (2d, 102d) of the housing (2, 102) and a rotor (33, 115) rotatably arranged inside the stator; a compression unit (4, 103) configured to be driven by a rotational drive force of the electric motor unit (3, 104) and compress a coolant; and a guide member (11, 119) attached to an outer periphery of the stator (32, 113) and having a guiding curved surface portion (15, 139) configured to guide the press-fitting of the stator (32, 113) to the inner peripheral wall (2d, 102d) of the housing (2, 102).

IPC 8 full level

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Citation (search report)

- [E] WO 2013142494 A1 20130926 - BITZER KUEHLMASCHINENBAU GMBH [DE], et al
- [A] JP H01264547 A 19891020 - YASKAWA DENKI SEISAKUSHO KK
- [A] EP 1617540 A2 20060118 - NSK LTD [JP]
- See references of WO 2014010320A1

Designated contracting state (EPC)

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