

Title (en)
METHOD FOR PRODUCING COMPRESSED STRAND, METHOD FOR PRODUCING AN ELECTRIC MOTOR, AND USE OF COMPRESSED STRAND

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FORMLITZE, VERFAHREN ZUR HERSTELLUNG EINES ELEKTROMOTORS, SOWIE VERWENDUNG VON FORMLITZE

Title (fr)
PROCÉDÉ POUR LA FABRICATION D'UN TORON PROFILÉ, PROCÉDÉ POUR LA FABRICATION D'UN MOTEUR ÉLECTRIQUE AINSI QU'UTILISATION D'UN TORON PROFILÉ

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Application
EP 19726616 A 20190521

Priority

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Abstract (en)
[origin: WO2019228846A1] The invention relates to a method for producing a compressed strand (F) made of an insulated wire (1) which is supplied in a straight manner or in a substantially straight manner. The method is characterized by the following steps: a) reshaping the insulated wire (1) into at least one half-loop, ring, or coil using a reshaping device (2); b) twisting the at least one half-loop, ring, or coil into a wire packet (D) using a twisting device (4); and c) compacting the wire packet (D) using a compacting device (5). The invention also relates to - a method for producing an electric motor, wherein the production of at least one part of the compressed strand for the electric motor is carried out using the method according to the invention, and - to the use of the compressed strand in the stator (S) of an electric motor, at least some parts of said compressed strand being the compressed strand produced according to the invention.

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Citation (search report)

- [X] GB 1003991 A 19650908 - LARBORDE & KUPFER SA
- [X] US 3837072 A 19740924 - MOBERG LENNART
- [X] US 2007180681 A1 20070809 - KATO MITSURU [JP], et al
- [I] DE 3219222 A1 19821223 - FUJI ELECTRIC CO LTD [JP]
- [A] DE 10037239 A1 20010208 - DENSO CORP [JP]
- [A] JP 2001078403 A 20010323 - DENSO CORP
- [A] US 4337567 A 19820706 - LUGOSI ROBERT, et al
- [A] US 2016343475 A1 20161124 - HIRAO YASUYUKI [JP], et al
- [A] US 2016156236 A1 20160602 - METZ DIETMAR [DE]
- See also references of WO 2019228846A1

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