

Title (en)
STATOR/ROTOR DEVICE FOR ELECTRIC MOTORS, AND METHOD FOR PRODUCING A PLASTIC COATING OF A STATOR/ROTOR DEVICE

Title (de)
STATOR-/ROTORVORRICHTUNG FÜR ELEKTROMOTOREN UND VERFAHREN ZUR HERSTELLUNG EINER KUNSTSTOFFBESCHICHTUNG EINER STATOR-/ROTORVORRICHTUNG

Title (fr)
DISPOSITIF DE STATOR/ROTOR POUR MOTEURS ÉLECTRIQUES ET PROCÉDÉ DE FABRICATION D'UN REVÊTEMENT D'UN DISPOSITIF DE STATOR/ROTOR

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Application
EP 18845340 A 20181219

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Abstract (en)
[origin: WO2019120354A1] The invention relates to a stator/rotor device for electric motors comprising at least one or more stator/rotor core assembly(ies) (10.1) stacked one above the other, wherein the stator/rotor core assembly(ies) (10.1) is/are designed as a component formed with rotational symmetry in respect of an axis of rotation (D) having individual laminations (12) arranged stacked one above the other, the individual laminations (12) having a rotationally symmetrical peripheral contour with projections which are arranged at a distance from one another with a predefined spacing in the peripheral direction (U) and which, when stacked one above the other, form pole shoes (14) pointing inwardly or outwardly, which are each wound by an electrically conducting wire with a winding groove (16), each with a groove entrance (17), provided between each of the pole shoes (14), at least the internal peripheral contour of each winding groove (16) and the upper side and lower side of the pole shoe (14) having an electrically insulating, more particularly injection-moulded, plastic layer, characterized in that, when the individual laminations (12)/stator/rotor core assemblies are stacked, at least one continuous flow channel (26.1) running in the longitudinal direction (L) of the stator/rotor device is present in the area of at least one winding groove (16), which is in communication connection with the plastic layer and through which the plastic can be injected/is injected to produce the plastic layer on the inner wall of the winding groove (16).

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CPC (source: EP)
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Citation (search report)
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