

Title (en)
METHOD FOR MANUFACTURING A CONDUCTOR SEGMENT FOR A WINDING AND FOR MANUFACTURING A STATOR FOR AN ELECTRIC MACHINE HAVING A HYBRID WINDING DESIGN

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES LEITUNGSSEGMENTS FÜR EINE WICKLUNG SOWIE EINES STATORS FÜR EINE ELEKTROMASCHINE MIT HYBRIDEM WICKLUNGSDESIGN

Title (fr)
PROCÉDÉ DE FABRICATION D'UN SEGMENT CONDUCTEUR POUR UN ENROULEMENT ET DE FABRICATION D'UN STATOR POUR UNE MACHINE ÉLECTRIQUE AYANT UNE CONCEPTION D'ENROULEMENT HYBRIDE

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Abstract (en)
[origin: WO2023218047A1] The invention relates to a method for manufacturing a conductor segment as part of a winding of an electric machine. A strand consisting of a plurality of individually insulated wire strands that are twisted together is formed into a shaped strand by forming (1010) a strand curvature in a central region of the strand along the longitudinal extent of the strand and by subjecting (1020) the strand to compression moulding, which determines a cross-sectional shape of the strand in some areas. An insulator-free first end region of each of two flat wires is overlapped with an end region of the shaped strand and electrically conductively connected to form the conductor segment (1040). The invention also relates to a method for manufacturing a stator of an electric machine and to a drive train for a motor vehicle, comprising the stator.

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