

Title (en)
STATOR FOR AN ELECTRICAL MACHINE COMPRISING A COMPRESSED STRAND WINDING HEAD, CORRESPONDING ELECTRICAL MACHINE, AND MANUFACTURING METHOD FOR A STATOR

Title (de)
STATOR FÜR EINE ELEKTRISCHE MASCHINE MIT EINEM FORMLITZENWICKELKOPF SOWIE EINE ENTSPRECHENDE ELEKTRISCHE MASCHINE UND EIN HERSTELLUNGSVERFAHREN FÜR EINEN STATOR

Title (fr)
STATOR POUR UNE MACHINE ÉLECTRIQUE COMPRENANT UNE TÊTE D'ENROULEMENT DE TORON PROFILÉ, MACHINE ÉLECTRIQUE CORRESPONDANTE ET PROCÉDÉ DE PRODUCTION D'UN STATOR

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Abstract (en)
[origin: WO2023218042A1] The invention relates to a stator (2) for an electric machine, comprising a core (4) and a multiplicity of bar conductors that are arranged in a manner distributed radially around the stator and each spaced from one another and that are connected to one another in pairs such that their shape resembles a hairpin. The winding of the stator comprises a shaped stranded wire/hairpin hybrid in which bar conductors each having two end regions are designed as arms of an individual shaped stranded wire (50). The stator furthermore has a multiplicity of interconnection bridges (172, 174), wherein a respective interconnection bridge is arranged between an end region of a first shaped stranded wire and an end region of a second shaped stranded wire. The interconnection bridge establishes a direct electrical connection from the first shaped stranded wire to the second shaped stranded wire. A drivetrain for a motor vehicle having an electric machine in which such a stator is installed is likewise described.

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