

Title (en)
METHOD FOR PRODUCING A WINDING FOR A STATOR IN AN ELECTRIC ROTATING MACHINE, STATOR, METHOD FOR PRODUCING THE STATOR AND ELECTRIC ROTATING MACHINE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER WICKLUNG FÜR EINEN STATOR EINER ELEKTRISCHEN ROTATIONSMASCHINE, STATOR, VERFAHREN ZUR HERSTELLUNG DES STATORS UND ELEKTRISCHE ROTATIONSMASCHINE

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN ENROULEMENT POUR UN STATOR DANS UNE MACHINE ÉLECTRIQUE TOURNANTE, STATOR, PROCÉDÉ DE PRODUCTION DU STATOR ET D'UNE MACHINE ÉLECTRIQUE TOURNANTE

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Abstract (en)
[origin: WO2022073545A1] The invention relates to a method for producing a winding for a stator, the stator itself, a method for producing the stator and an electric rotating machine. The method for producing a winding (20) for a stator (10) of an electric rotating machine provides a first conductor (31) and a further conductor (41), wherein the two conductors (31, 41) are bent into a zigzag form, at least in length portions, and the further conductor (32) is moved with respect to the first conductor (31) in a combination movement, which has a translatory movement component (210) along the longitudinal axis (200) of the further conductor (41) and a rotary movement component (211) about the longitudinal axis (200) of the further conductor (41), such that the further conductor (41) winds around an extreme value axis of the first conductor (31), which runs through regions (120) of the first conductor (31), said regions forming extreme values of the zigzag course. The method for producing a winding for the stator, and the stator itself, the method for producing the stator and the electric rotating machine provide solutions that permit the winding, and accordingly also the stator comprising the winding and the electric rotating machine comprising the stator, to be produced at low cost and with little effort.

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