

Title (en)

METHOD AND DEVICE FOR INDUCTIVELY HEATING A STATOR OR ARMATURE OF AN ELECTRIC MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM INDUKTIVEN ERWÄRMEN EINES STATORS ODER ANKERS EINER ELEKTROMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CHAUFFAGE PAR INDUCTION D'UN STATOR OU D'UN INDUIT D'UNE MACHINE ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2018224066A1] The invention relates to a method and a heating device (1c) for inductively heating a stator (2) or armature (3) of an electric machine, particularly before and during trickle impregnation of the same. The invention further relates to an impregnating device (50), in which said heating device (1c) is integrated. According to the invention, heating is by inductive means using electromagnetic fields of differing frequencies. To this end, the heating device (1c) comprises at least one electromagnetic inductor (18, 21, 24) which is arranged coaxially or axially parallel with respect to the longitudinal axis (7) of the stator (2) or armature (3) and by means of which said stator or armature can be inductively heated, and the at least one inductor (18, 21, 24) is designed to generate at least two electromagnetic fields of different frequencies.

IPC 8 full level

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Citation (search report)

See references of WO 2018224066A1

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