

Title (en)
METHOD AND SYSTEM FOR CORRECTING A MEASURED WINDING TEMPERATURE OF AN ELECTRICAL MACHINE, IN PARTICULAR FOR AN ELECTRIC-PROPULSION OR HYBRID-PROPULSION VEHICLE

Title (de)
VERFAHREN UND SYSTEM ZUR KORREKTUR EINER GEMESSENEN WICKLUNGSTEMPERATUR EINER ELEKTRISCHEN MASCHINE, INSBESONDERE FÜR EIN FAHRZEUG MIT ELEKTROANTRIEB ODER HYBRIDANTRIEB

Title (fr)
PROCÉDÉ ET SYSTÈME DE CORRECTION DE TEMPÉRATURE MESURÉE DE BOBINAGE D'UNE MACHINE ÉLECTRIQUE, NOTAMMENT POUR UN VÉHICULE À PROPULSION ÉLECTRIQUE OU HYBRIDE

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Application
EP 19731761 A 20190624

Priority
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Abstract (en)
[origin: WO2020015955A1] Method for correcting the temperature measurement of the winding of an electrical machine (12), in particular of an electric-propulsion or hybrid-propulsion motor vehicle, wherein a measured temperature value (Tmes) of the winding, measured by a temperature probe (12b) situated on the surface of the winding, a measured value of the rotational speed (ω) of said electrical machine (12), measured by a position sensor (12a), and a measured value of the effective current (Ieff) flowing through an inverter (14), controlling the electrical machine and measured by a current sensor (14a), are recovered at all times. The measured temperature value of the winding is corrected on the basis of the measured temperature value (Tmes) of the winding, of the measured value of the rotational speed (ω) of said electrical machine (12), of the measured value of the effective current (Ieff) and of experimental data acquired beforehand on an electrical machine on a test bench.

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Citation (search report)
See references of WO 2020015955A1

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