

Title (en)

METHOD FOR DETERMINING CORRECTION INFORMATION, METHOD FOR CONTROLLING AN ELECTRIC MACHINE, APPARATUS, ELECTRICAL DRIVE DEVICE, AND HEAT PUMP

Title (de)

VERFAHREN ZUM ERMITTELN EINER KORREKTURINFORMATION, VERFAHREN ZUR REGELUNG EINER ELEKTRISCHEN MASCHINE, VORRICHTUNG, ELEKTRISCHE ANTRIEBSEINRICHTUNG, WÄRMEPUMPE

Title (fr)

PROCÉDÉ POUR DÉTERMINER UNE INFORMATION DE CORRECTION, PROCÉDÉ POUR COMMANDER UNE MACHINE ÉLECTRIQUE, APPAREIL, DISPOSITIF D'ENTRAÎNEMENT ÉLECTRIQUE, POMPE À CHALEUR

Publication

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Application

EP 21823850 A 20211201

Priority

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- EP 2021083704 W 20211201

Abstract (en)

[origin: WO2022117615A2] The invention relates to a method for determining correction information for an electric machine (7) which has a stator winding and a rotatably mounted rotor having a plurality of pole pairs, wherein: a reference rotational angle (ϕ_{Ref}) of the rotor is selected; an actual variable influenced by a rotation of the rotor is determined and is monitored for interference waves (SW); when an interference wave (SW) is detected, an interference-wave correction instruction which is based on the reference rotational angle (ϕ_{Ref}) and is intended for compensating for the detected interference wave (SW), and a reference feature of the interference wave (SW) based on the reference rotational angle (ϕ_{Ref}) are determined; a reference rotational angle value of the reference rotational angle (ϕ_{Ref}) is determined on the basis of a rotational angle interval ($\Delta\phi_{el}$) covered during an electrical revolution of the rotor; and the determined interference-wave correction instruction, the determined reference feature and the determined reference rotational angle value are assigned to one another and stored as correction information.

IPC 8 full level

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Citation (search report)

See references of WO 2022117615A2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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