

Title (en)

METHOD AND DEVICE FOR CONTROLLING AN ELECTRIC MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG EINER ELEKTRISCHEN MASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE D'UNE MACHINE ÉLECTRIQUE

Publication

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Application

EP 21702614 A 20210127

Priority

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- EP 2021051869 W 20210127

Abstract (en)

[origin: WO2021151950A1] The invention relates to a method (100) for controlling an electric machine (204) with a harmonics controller (200), which comprises an input stage (210), a controller (220) and an output stage (230), comprising the following steps: determining (110) at least two measurement variables (id, iq); determining (120) cosine measurement portions and sine measurement portions (idcos_m, idsin_m, iqcos_m, iqsin_m); determining (130) the cosine control variables and sine control variables (idcos_s, idsin_s, iqcos_s, iqsin_s); determining (140) at least two control variables (ud, uq); and actuating the electric machine (204) according to the determined control variables (ud, uq).

IPC 8 full level

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Citation (search report)

See references of WO 2021151950A1

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