

Title (en)

CONTROL METHOD FOR MACHINE WITH INVERTER-OPERATED ELECTRIC DRIVE UNIT

Title (de)

STEUERUNGSVERFAHREN FÜR MASCHINE MIT UMRICHTERBETRIEBENEM ELEKTRISCHEM ANTRIEB

Title (fr)

PROCÉDÉ DE COMMANDE POUR MACHINE POURVUE D'UN ENTRAÎNEMENT ÉLECTRIQUE ACTIONNÉ PAR UN CONVERTISSEUR

Publication

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Application

EP 19742720 A 20190718

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Abstract (en)

[origin: WO2020025344A1] The invention relates to a method for controlling a machine with at least one inverter-operated electric drive unit, with the machine determining the instantaneous mains frequency of the mains supply to the machine and a deviation of the determined mains frequency over a standard frequency of the mains supply being detected, wherein a frequency correction value for adjusting the target drive frequency at which the electric motor of the machine is operated is determined by weighting the deviation with a factor k, the factor k being specified dynamically as a function of at least one process variable of the drive load and/or of the operated drive process.

IPC 8 full level

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See references of WO 2020025344A1

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