

Title (en)  
PROCESS FOR CALIBRATING ELECTRIC MACHINES

Title (de)  
VERFAHREN ZUM KALIBRIEREN VON ELEKTRISCHEN MASCHINEN

Title (fr)  
PROCÉDÉ D'ÉTALONNAGE DE MACHINES ÉLECTRIQUES

Publication  
**EP 3895304 A1 20211020 (EN)**

Application  
**EP 18845369 A 20181213**

Priority  
IT 2018000156 W 20181213

Abstract (en)  
[origin: WO2020121342A1] A process is described for calibrating electric machines comprising the steps of: switching on an inverter connected to the electric machine, for rotating the rotor; driving the electric machine till the rotor reaches a rotation speed ( $\omega_1$ ) greater than a predefined rotation speed ( $\omega_0$ ); switching off the inverter and leaving the electric machine idly rotating; detecting the angular position of the rotor by measuring the position of the rotor magnetic field, to compare it with the measure of the rotor angular position detected by a position sensor (11); computing the difference between the value of the rotor angular position, detected by measuring the position of its magnetic field, and the value of the rotor angular position detected by measuring the position of the magnetic field of the position sensor (11), to obtain the offset data to be stored; storing the offset data computed in the fifth step in a storage unit (14).

IPC 8 full level  
**H02P 6/182** (2016.01); **G01D 18/00** (2006.01); **H02P 6/16** (2016.01); **H02P 25/08** (2016.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2020121342A1

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