

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 (ω_1) greater than a predefined rotation speed (ω_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)
G01D 18/008 (2013.01); **H02P 6/16** (2013.01); **H02P 6/182** (2013.01); **H02P 25/08** (2013.01); **H02P 2203/05** (2013.01); **H02P 2207/05** (2013.01)

Citation (search report)
See references of WO 2020121342A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020121342 A1 20200618; CN 113424433 A 20210921; EP 3895304 A1 20211020

DOCDB simple family (application)
IT 2018000156 W 20181213; CN 201880100689 A 20181213; EP 18845369 A 20181213