

Title (en)

METHOD AND SYSTEM FOR CONTROLLING AN ELECTRIC MACHINE OF AN ELECTRIC VEHICLE

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG EINER ELEKTRISCHEN MASCHINE EINES ELEKTROFAHRZEUGS

Title (fr)

SYSTÈME ET PROCÉDÉ DE COMMANDE D'UNE MACHINE ÉLECTRIQUE ÉQUIPANT UN VÉHICULE ÉLECTRIQUE

Publication

EP 2836390 A1 20150218 (FR)

Application

EP 13724854 A 20130326

Priority

- FR 1253414 A 20120413
- FR 2013050651 W 20130326

Abstract (en)

[origin: WO2013153304A1] The invention relates to a system for controlling an electric machine of an electric vehicle in order to generate a torque setpoint for a given speed, said torque setpoint and said speed corresponding to a first operating point of said electric machine. The control system includes means for modulating the torque setpoint, which are configured to generate a modulated torque setpoint and to provide the modulated torque setpoint to said electric machine, said modulated torque setpoint alternating between a low value (Chas), the absolute value of which is lower than the absolute value of said torque setpoint, and a high value (Chaut), the absolute value of which is greater than the absolute value of said torque setpoint, said high value and said speed corresponding to a second operating point of said electric machine for which the power output is greater than the first operating point.

IPC 8 full level

B60L 15/20 (2006.01)

CPC (source: EP)

B60L 15/2045 (2013.01); **Y02T 10/64** (2013.01); **Y02T 10/72** (2013.01)

Citation (search report)

See references of WO 2013153304A1

Citation (examination)

JP H10243680 A 19980911 - NISSAN MOTOR

Cited by

US11427177B2

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 2013153304 A1 20131017; EP 2836390 A1 20150218; FR 2989479 A1 20131018; FR 2989479 B1 20140328

DOCDB simple family (application)

FR 2013050651 W 20130326; EP 13724854 A 20130326; FR 1253414 A 20120413