

Title (en)

CONTROLLER AND METHOD FOR A STARTER MOTOR FOR A STARTING DEVICE

Title (de)

STEUERUNG UND VERFAHREN EINES STARTERMOTORS FÜR EINE STARTVORRICHTUNG

Title (fr)

COMMANDE ET PROCÉDÉ DE FONCTIONNEMENT D'UN MOTEUR DE DÉMARRAGE POUR UN DISPOSITIF DE DÉMARRAGE

Publication

EP 2456968 A1 20120530 (DE)

Application

EP 10730494 A 20100714

Priority

- DE 102009027828 A 20090720
- EP 2010060157 W 20100714

Abstract (en)

[origin: WO2011009790A1] The invention relates to a controller (1) for a starting device of an internal combustion engine in a vehicle having a starter motor (2), a first current path (3) and at least one further second current path (4, 5a, 5b, 5c) connected in parallel to the first current path (3) for supplying current to the starter motor (2), wherein the first current path (3) has a switch device (8), particularly a starter relay. In order to improve current supply to the starter motor (2), the controller (1) is implemented in operational contact with a test device (11) for checking a switch state of the switch device (8), and having an adapting device (12) for adapting the current supply of the switch device (8).

IPC 8 full level

F02D 41/06 (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP US)

F02N 11/087 (2013.01 - EP US); **F02N 11/0814** (2013.01 - EP US); **F02N 11/0859** (2013.01 - EP US); **F02N 2011/0874** (2013.01 - EP US);
F02N 2200/044 (2013.01 - EP US); **F02N 2250/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2011009790A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009027828 A1 20110127; CN 102472183 A 20120523; CN 102472183 B 20150513; EP 2456968 A1 20120530;
EP 2456968 B1 20130306; JP 2012533705 A 20121227; JP 5523566 B2 20140618; US 2012175890 A1 20120712;
WO 2011009790 A1 20110127

DOCDB simple family (application)

DE 102009027828 A 20090720; CN 201080032584 A 20100714; EP 10730494 A 20100714; EP 2010060157 W 20100714;
JP 2012521001 A 20100714; US 201013382820 A 20100714