

Title (en)

MOTOR CONTROL DEVICE FOR ACTUATING A CIRCUIT AND METHOD

Title (de)

MOTORSTEUERGERÄT ZUM ANSTEUERN EINES STROMKREISES UND VERFAHREN

Title (fr)

CONTRÔLEUR DE MOTEUR POUR COMMANDER UN CIRCUIT ÉLECTRIQUE ET PROCÉDÉ

Publication

EP 2545269 A2 20130116 (DE)

Application

EP 11705184 A 20110209

Priority

- DE 102010002678 A 20100309
- EP 2011051884 W 20110209

Abstract (en)

[origin: WO2011110397A2] The present invention relates to a motor control device for actuating a circuit, in particular a starter in a vehicle. The motor control device comprises at least one first means for providing a first signal, in particular an ignition signal, a second means for providing a voltage for the circuit, a third means for connecting the circuit, a first switch, which is arranged between second and third means for controlling the circuit, and a fourth means for generating a second signal, wherein the first signal cooperates with the second signal to form a virtual second switch for switching the circuit on or off by means of the first switch.

IPC 8 full level

F02N 11/08 (2006.01); **B60R 16/02** (2006.01); **F02N 11/10** (2006.01)

CPC (source: EP KR US)

B60R 16/02 (2013.01 - KR); **F02N 11/08** (2013.01 - EP KR US); **F02N 11/10** (2013.01 - KR); **F02N 11/101** (2013.01 - EP US);
F02N 11/108 (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **F02N 11/087** (2013.01 - EP US); **F02N 2011/0874** (2013.01 - EP US);
F02N 2300/30 (2013.01 - EP US)

Citation (search report)

See references of WO 2011110397A2

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

DOCDB simple family (publication)

DE 102010002678 A1 20110915; CN 102782305 A 20121114; CN 102782305 B 20150930; EP 2545269 A2 20130116;
JP 2013521437 A 20130610; JP 5506958 B2 20140528; KR 20130038225 A 20130417; US 2013057065 A1 20130307;
US 9353717 B2 20160531; WO 2011110397 A2 20110915; WO 2011110397 A3 20120209

DOCDB simple family (application)

DE 102010002678 A 20100309; CN 201180012982 A 20110209; EP 11705184 A 20110209; EP 2011051884 W 20110209;
JP 2012556428 A 20110209; KR 20127026220 A 20110209; US 201113583188 A 20110209