

Title (en)

Method for determining the status of a starter motor

Title (de)

Verfahren zum Bestimmen eines Zustands eines Startermotors

Title (fr)

Procédé de détermination d'un état d'un démarreur

Publication

EP 2428673 A3 20160323 (DE)

Application

EP 11175788 A 20110728

Priority

DE 102010040520 A 20100909

Abstract (en)

[origin: EP2428673A2] The method involves determining the detection cycle of the starter motor (126) when battery supplies electrical energy to starter motor. Two operating points (51,53) are defined in the detection cycle. The current measurement and voltage measurement are performed with respect to defined operating points so as to determine change of resistance value of the brush-commutator assembly. An independent claim is included for starter for determining state of starter motor.

IPC 8 full level

F02N 11/10 (2006.01)

CPC (source: EP)

F02N 11/10 (2013.01); **F02N 2200/045** (2013.01); **F02N 2200/062** (2013.01); **F02N 2200/063** (2013.01)

Citation (search report)

- [XYI] US 2009309530 A1 20091217 - SHIN KWANG-KEUN [US]
- [Y] WO 0001943 A1 20000113 - BOSCH GMBH ROBERT [DE], et al
- [X] DE 102005018570 A1 20051208 - ARVINMERITOR LIGHT VEHICLE SYS [FR]
- [A] US 1875192 A 19320830 - MIDDLETON LESLIE H
- [A] DE 102009004901 A1 20090813 - DENSO CORP [JP]

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)

EP 2428673 A2 20120314; EP 2428673 A3 20160323; EP 2428673 B1 20180411; CN 102401860 A 20120404; CN 102401860 B 20150617; DE 102010040520 A1 20120315

DOCDB simple family (application)

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