

Title (en)

Method and device for controlling an actuator for a starter

Title (de)

Steuergerät und Verfahren zum Ansteuern von einem Stellglied für einen Startermotor

Title (fr)

Méthode et dispositif de commande d'un actionneur pour un démarreur

Publication

**EP 1512868 A3 20060906 (DE)**

Application

**EP 04016882 A 20040716**

Priority

DE 10340701 A 20030904

Abstract (en)

[origin: EP1512868A2] The control device (100) includes a control unit (110) such as a microcontroller with an ON output for outputting a control signal to the switch in response to a start command to start the starter. It also has a control holder (120) between the control unit and the switch for temporarily storing the control signal after it has been output by the control unit. A feedback coupling unit (130) feeds back a current state of the holder to the control unit. After a temporary interruption in its supply voltage and thus a resulting temporary switching off of the control unit, the control unit is reactivated and is adapted to decide to again take up control of the switch over the holder when two conditions are satisfied. The first condition is that the switch, at the time of the decision, is still controlled by the temporarily stored control signal from before the interruption. The second condition is that the temporarily stored signal from before the interruption is still stored after the interruption. Independent claims also cover a method of controlling the switch.

IPC 8 full level

**F02N 11/08** (2006.01)

CPC (source: EP)

**F02N 11/08** (2013.01); **F02N 11/0862** (2013.01); **F02N 2300/30** (2013.01)

Citation (search report)

- [A] DE 19844454 A1 20000413 - SIEMENS AG [DE]
- [A] DE 19720191 C1 19980423 - SIEMENS AG [DE]
- [A] US 5252861 A 19931012 - STEEBY JON A [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 347 (M - 1002) 26 July 1990 (1990-07-26)

Cited by

CN113467527A; WO2007118756A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1512868 A2 20050309**; **EP 1512868 A3 20060906**; **EP 1512868 B1 20091014**; DE 10340701 A1 20050331; DE 502004010223 D1 20091126

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