Title (en)

METHOD AND DEVICE FOR SAFE-TORQUE-OFF FUNCTION OF AN ELECTRIC DRIVE

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DEN SICHEREN HALT EINES ELEKTRISCHEN ANTRIEBS

Title (fr)

PROCEDE ET DISPOSITIF POUR L'ARRET FIABLE D'UN ENTRAINEMENT ELECTRIQUE

Publication

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Application

EP 09757396 A 20090519

Priority

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- DE 102008027113 A 20080606

Abstract (en)

[origin: WO2009147013A2] The invention relates to a method for controlling a motor (2), especially for opening and closing a door, wherein the motor (2) is controlled by means of a pulse width-modulated switching signal (PWM) that is divided into a specifiable number of pulse width-modulated control signals (PWM1, PWM2) for actuating a bridge circuit (4) to a corresponding number of functional channels (F1, F2). According to the invention, the functional channels (F1, F2) are switched off independently from each other by means of at least one or more switch-off signals (AS1, AS2) on at least one switching circuit of a number of independent switching circuits (26.1, 26.2) corresponding to the number of functional channels (F1, F2).

IPC 8 full level

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CPC (source: EP US)

H02M 1/36 (2013.01 - EP US); **H02P 7/29** (2013.01 - EP US)

Citation (search report)

See references of WO 2009147013A2

Citation (examination)

- DE 102005029816 A1 20061123 - DAIMLER CHRYSLER AG [DE]
- EP 1211774 A1 20020605 - SIEMENS AG [DE]
- EP 1724915 A2 20061122 - ROCKWELL AUTOMATION TECH INC [US]

Designated contracting state (EPC)

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DE 102008027113 A1 20091210; BR PI0915599 A2 20190827; CN 102057565 A 20110511; CN 102057565 B 20131120; EP 2283571 A2 20110216; MX 2010013380 A 20101221; US 2011109254 A1 20110512; US 8421387 B2 20130416; WO 2009147013 A2 20091210; WO 2009147013 A3 20100910

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