

Title (en)

Device for controlling an electromagnetic actuating device

Title (de)

Vorrichtung zur Steuerung eines elektromagnetischen Stellantriebs

Title (fr)

Dispositif destiné à la commande d'un mécanisme de commande électromagnétique

Publication

EP 1830370 A3 20090415 (DE)

Application

EP 07004336 A 20070302

Priority

DE 102006009628 A 20060302

Abstract (en)

[origin: EP1830370A2] The method involves overdriving an actuator with a capacity that has a time limitation, where the capacity lies above rated capacity of an actuator drive. A control unit (60) determines the rated capacity on the basis of a number of various inductive loads of different rated capacities based on available current and level of supply voltage of the actuator while being in an over-driven state. The actuator is controlled by a switching unit (10) under pulse width modulation.

IPC 8 full level

H01F 7/18 (2006.01)

CPC (source: EP)

F02D 41/20 (2013.01); **H01F 7/1811** (2013.01); **H01F 7/1844** (2013.01); **F02D 2041/2003** (2013.01); **F02D 2041/2027** (2013.01); **F02D 2041/2058** (2013.01); **H01F 2007/1822** (2013.01); **H01F 2007/1888** (2013.01)

Citation (search report)

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- [A] US 2002126434 A1 20020912 - OZAWA HIDETAKA [JP], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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