

Title (en)

Electronic control device for electromagnetic unit

Title (de)

Elektronisches Kontrollgerät für eine elektromagnetische Vorrichtung

Title (fr)

Dispositif électronique de commande pour appareil électromagnétique

Publication

**EP 1858035 A3 20100609 (FR)**

Application

**EP 07107553 A 20070504**

Priority

FR 0651740 A 20060515

Abstract (en)

[origin: EP1858035A2] An electronic control device (20) comprises storage unit for storing coil (15) control profile containing values representative of excitation current (26) as a function of time; and drive unit connected to the storage unit, receiving at its input an external close command (25) and delivering at its output the excitation current following the control profile during the closing of the power circuit. The drive unit operates in open loop mode, without the need for inputting information relating to a switch unit (10).

IPC 8 full level

**H01F 7/18** (2006.01)

CPC (source: EP US)

**H01H 47/22** (2013.01 - EP US); **H01F 2007/1855** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0242635 A2 19871028 - IBM [US]
- [Y] EP 1039102 A2 20000927 - SIEMENS AUTOMOTIVE CORP LP [US]
- [Y] US 2005122117 A1 20050609 - BAURAND GILLES [FR], et al
- [A] US 4980793 A 19901225 - GLOWCZEWSKI THOMAS [US], et al
- [A] US 2004016461 A1 20040129 - QU WENMIN [DE], et al
- [A] US 5424637 A 19950613 - OUDYN MICHAEL K [US], et al
- [A] WO 0106162 A2 20010125 - PARKER HANNIFIN CORP [US]
- [A] WO 9311369 A1 19930610 - CATERPILLAR INC [US]

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)

**EP 1858035 A2 20071121**; **EP 1858035 A3 20100609**; CN 101123151 A 20080213; FR 2901053 A1 20071116; FR 2901053 B1 20081017; JP 2007311345 A 20071129; US 2007263337 A1 20071115; US 7898788 B2 20110301

DOCDB simple family (application)

**EP 07107553 A 20070504**; CN 200710142108 A 20070515; FR 0651740 A 20060515; JP 2007128377 A 20070514; US 74689107 A 20070510