

Title (en)

Starter contactor having an electronic circuit integrated to the contactor, and vehicle starter having such a contactor

Title (de)

Anlasser-Schütz mit eingebauter elektronischer Schaltung, und Kraftfahrzeuganlasser mit solchem Schütz versehen

Title (fr)

Contacteur de démarreur comportant un circuit électronique de commande intégré au contacteur, et démarreur de véhicule comportant un tel contacteur

Publication

**EP 0828275 B1 20020130 (FR)**

Application

**EP 97115240 A 19970903**

Priority

FR 9611007 A 19960906

Abstract (en)

[origin: EP0828275A1] The starter motor unit has an actioned moving rod (56) passing through a central disc (22) and actioning a contact in a static section. The electronic command unit (70) is housed on a circuit board with a central hole and placed in a space in the starter unit, with the central hole allowing movement of the starter moving rod. The circuit is shielded by an outer shielding section (68). The section is wrapped around the inner contact section.

IPC 1-7

**H01H 51/06**

IPC 8 full level

**F02N 11/00** (2006.01); **H01H 50/04** (2006.01); **H01H 51/06** (2006.01); **H01H 50/02** (2006.01)

CPC (source: EP US)

**H01H 51/065** (2013.01 - EP US); **F02D 2400/18** (2013.01 - EP US); **F02N 15/067** (2013.01 - EP US); **H01H 50/021** (2013.01 - EP US); **H01H 50/023** (2013.01 - EP US)

Cited by

DE10329577A1; FR2860840A1; FR2797091A1; DE19813601A1; FR2901056A1; DE19745937C1; FR2770023A1; WO2007080307A1; WO2005031777A1

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**EP 0828275 A1 19980311**; **EP 0828275 B1 20020130**; BR 9705564 A 19991123; CN 1111121 C 20030611; CN 1176193 A 19980318; DE 69710139 D1 20020314; DE 69710139 T2 20020718; ES 2171796 T3 20020916; FR 2753302 A1 19980313; FR 2753302 B1 19981016; JP 4139451 B2 20080827; JP H10106420 A 19980424; US 6049263 A 20000411

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