

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 elektronische 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 0751545 B1 20011219 (FR)

Application

EP 96401392 A 19960625

Priority

FR 9507808 A 19950627

Abstract (en)

[origin: EP0751545A1] The starter switch has an annular cylindrical armature (14) forming the casing for a coil (14) which operates a moving core (12) that acts on a control rod (31). The rod crosses a fixed disc-shaped core (22) and operates moving contacts (54) which join with fixed contacts (50,52) belonging to the starter motor supply circuit. The moving contact moves in a housing (38) in the cover (32) between the base (34) of the cover and a transverse, axially symmetric, disc-shaped cap (68) in the skirt (36) of the cover. The skirt extends beyond the cap to make a cavity (42) for the PCB disc (78). The moving contact rests against part (64) of the cap which has a central sleeve (72) and hole for the control rod.

IPC 1-7

H01H 51/06

IPC 8 full level

F02N 11/00 (2006.01); **F02N 11/08** (2006.01); **H01H 50/14** (2006.01); **H01H 51/06** (2006.01); **H01H 50/02** (2006.01)

CPC (source: EP US)

F02N 11/00 (2013.01 - EP US); **H01H 51/065** (2013.01 - EP US); **H01H 50/021** (2013.01 - EP US)

Cited by

FR2762135A1; FR2797091A1; EP0859393A1; FR2759811A1; CN102640251A; EP2472546A4; FR2901056A1; FR2770023A1; GB2553976A; CN107850031A; GB2553976B; EP0859394A1; FR2759810A1; US5990771A; CN102148111A; EP2354533A3; US6708429B1; WO0148372A1; US7902947B2; US10519918B2; US9562508B2; US9657704B2; US6229415B1; US8492916B2; WO2007128892A1; WO2016166770A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0751545 A1 19970102; **EP 0751545 B1 20011219**; CN 1076440 C 20011219; CN 1143159 A 19970219; DE 69618090 D1 20020131; DE 69618090 T2 20020711; FR 2736100 A1 19970103; FR 2736100 B1 19970801; JP 4598202 B2 20101215; JP H09105372 A 19970422; US 5703551 A 19971230

DOCDB simple family (application)

EP 96401392 A 19960625; CN 96108593 A 19960626; DE 69618090 T 19960625; FR 9507808 A 19950627; JP 16417196 A 19960625; US 67037196 A 19960625