

Title (en)

Starter of motor vehicle and contactor for such a starter with a control auxiliary relay integrated in the contactor

Title (de)

Anlasser für Motorfahrzeug und Anlasserschütz mit einem in Anlasserschütz integriertem Steuerhilfsrelais

Title (fr)

Démarrreur de véhicule automobile et contacteur pour un tel démarreur comportant un relais auxiliaire de commande intégré au contacteur

Publication

**EP 0751292 B1 20010418 (FR)**

Application

**EP 96401393 A 19960625**

Priority

FR 9507807 A 19950627

Abstract (en)

[origin: EP0751292A1] The starter (10) includes the electromagnetic contactor (14) held in an upper casing, with the auxiliary command relay held in an extension to the electromagnetic contactor casing. A main coil is connected to the battery by the auxiliary command relay (32) which has a moving coil (40) which connects up to connector pads to connect the main coil and the wire to the battery. The main coil has an isolating cap (50) with an extension piece (62) covering the relay.

IPC 1-7

**F02N 11/00**; **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

KR100771740B1; FR2750459A1; FR2762135A1; US7948338B2; WO2005001867A1; US9562508B2; US9657704B2

Designated contracting state (EPC)

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**EP 0751292 A1 19970102**; **EP 0751292 B1 20010418**; CN 1077226 C 20020102; CN 1139180 A 19970101; DE 69612528 D1 20010523; DE 69612528 T2 20010906; FR 2736099 A1 19970103; FR 2736099 B1 19970801; US 5694100 A 19971202

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