

Title (en)

Method and device for controlling a driving contactor for a vehicle starter motor

Title (de)

Verfahren und Vorrichtung zum Steuern eines Versorgungsschalters für einen Kraftfahrzeuganlasser

Title (fr)

Procédé et dispositif pour la commande d'un contacteur d'alimentation d'un démarreur de véhicule automobile

Publication

EP 0796992 B1 20030115 (FR)

Application

EP 97400625 A 19970320

Priority

FR 9603509 A 19960321

Abstract (en)

[origin: EP0796992A1] The control process is for the vehicle electric starter motor (D) which is mounted between a positive battery supply terminal (B+) and earth, with a contact (1) inserted between the supply and the motor. The contact is controlled by a winding (2) similarly connected between the supply and earth which is controlled by a MOSFET switch (3) whose grid is controlled by an electronic circuit (4). This circuit controls the winding supply in different phases of operation: closing the contact, holding the contact, and automatic release after the starting of the engine. The signal used to operate the MOSFET switch is subject to a time control circuit (8), so that the contact closing signal is only maintained for a predetermined time after switching on. The current through the winding is thus cut or reduced after a set time, and completely cut once the speed of the engine is detected to have reached a given threshold.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0922855A1; FR2772085A1; FR2771780A1; US6176212B1; EP0921305A3

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