

Title (en)

Current control device for an electrical engine starter motor and starter motor having such a device

Title (de)

Speisungsregelvorrichtung für elektrischen Anlassermotor für Verbrennungsmotor und Anlasser mit solcher Vorrichtung

Title (fr)

Dispositif pour la commande de l'alimentation d'un moteur électrique de démarreur de véhicule et démarreur comportant un tel dispositif

Publication

EP 0987434 A1 20000322 (FR)

Application

EP 99402249 A 19990914

Priority

FR 9811550 A 19980916

Abstract (en)

The starter module (D) includes a motor (M) with one terminal connected to earth and the other terminal connected to the positive terminal (B+) of the battery via a MOSFET (Metal Oxide Semiconductor Field Effect Transistor) (T2). A further MOSFET (T1) is connected in parallel with the motor transistor, with a connection to earth via a coil (B). A first terminal (e1) on a microcontroller (2) is connected to the positive terminal of the battery, and a second terminal is connected to the positive terminal and the emitters of the two transistors. The sources of the two transistors are connected to two terminals (s1,s2) on the microcontroller and the drains may be connected to further terminals (e3,e4).

Abstract (fr)

Dispositif pour la commande de l'alimentation du moteur électrique (M) d'un démarreur (D) de véhicule notamment automobile, comportant un commutateur de puissance monté en série avec ledit moteur électrique pour commander l'alimentation de celui-ci, caractérisé en ce que ce commutateur est constitué par un composant électronique de puissance commandable (T2). <IMAGE>

IPC 1-7

F02N 11/08

IPC 8 full level

F02N 15/06 (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP KR US)

F02N 11/08 (2013.01 - KR); **F02N 11/087** (2013.01 - EP US); **F02N 2011/0874** (2013.01 - EP US)

Citation (search report)

- [A] FR 2147379 A5 19730309 - LABINAL
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 172 (M - 095) 31 October 1981 (1981-10-31)

Cited by

FR2925436A1; EP2991225A1; FR3025374A1; EP1378661A1; FR2843782A1; US6531787B2; WO0196735A1; WO2009083380A1

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DOCDB simple family (application)

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