

Title (en)

Device for controlling a contactor for a vehicle starter motor

Title (de)

Vorrichtung zum Steuern eines Anlasserschützes für einen Kraftfahrzeug

Title (fr)

Dispositif pour la commande d'un contacteur de démarreur de véhicule automobile

Publication

EP 0864745 B1 20030502 (FR)

Application

EP 98400554 A 19980310

Priority

FR 9703090 A 19970314

Abstract (en)

[origin: EP0864745A1] The starter contactor has power contacts (1a) connecting current to the starter motor and a winding (2,3) which controls displacement of the power contact. One of these windings is connected between the supply terminal of the battery and the electric motor (M). The control is provided by microprocessor (5) driving a power MOSFET (4) which controls current in one of the windings (2,3). The microprocessor receives a measure of voltage at a point between the motor and the windings, and blocks the transistor, releasing the power contacts, if within a set time after operation of the starter switch the voltage at a point between the winding and the motor is not above a set level.

IPC 1-7

F02N 11/08

IPC 8 full level

F02N 11/08 (2006.01)

CPC (source: EP US)

F02N 11/087 (2013.01 - EP US); **F02N 11/10** (2013.01 - EP US); **F02N 2200/043** (2013.01 - EP US)

Cited by

CN106065839A; US10495050B2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0864745 A1 19980916; **EP 0864745 B1 20030502**; DE 69813940 D1 20030605; DE 69813940 T2 20040519; ES 2198664 T3 20040201; FR 2760910 A1 19980918; FR 2760910 B1 19990528; US 6003484 A 19991221

DOCDB simple family (application)

EP 98400554 A 19980310; DE 69813940 T 19980310; ES 98400554 T 19980310; FR 9703090 A 19970314; US 4190098 A 19980313