

Title (en)

Improvements to devices for controlling a starter for automotive vehicles

Title (de)

Verbesserungen an Steuervorrichtungen für Anlasser von Kraftfahrzeugen

Title (fr)

Perfectionnement aux dispositifs pour la commande d'un démarreur de véhicule automobile

Publication

EP 0922855 B1 20030205 (FR)

Application

EP 98403119 A 19981210

Priority

FR 9715617 A 19971210

Abstract (en)

[origin: EP0922855A1] When the vehicle motor is running, starter operation may be prevented by using a filter (F), amplifier (A) and indicator (I) to detect residual waves from the alternator rectifier and signal (e1) a microprocessor (2) which also receives normal supply (e0). The microprocessor makes a transistor (T1) conducting to operate the motor (M) contactor (B,1) provided that there is no motor operation signal (e1).

IPC 1-7

F02N 11/08

IPC 8 full level

F02N 11/08 (2006.01)

CPC (source: EP)

F02N 11/105 (2013.01)

Cited by

FR2797536A1; US10060404B2; WO2018144672A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0922855 A1 19990616; EP 0922855 B1 20030205; DE 69811193 D1 20030313; DE 69811193 T2 20030925; ES 2192757 T3 20031016;
FR 2772085 A1 19990611; FR 2772085 B1 20000225

DOCDB simple family (application)

EP 98403119 A 19981210; DE 69811193 T 19981210; ES 98403119 T 19981210; FR 9715617 A 19971210