

Title (en)

Method and device for actioning the interruption of a vehicle engine starter motor

Title (de)

Verfahren und Vorrichtung zum Abschalten eines Fahrzeuganlassers

Title (fr)

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

Publication

EP 0833051 B1 20010801 (FR)

Application

EP 97402218 A 19970924

Priority

FR 9611792 A 19960927

Abstract (en)

[origin: EP0833051A1] During the starting of an internal combustion engine the starting motor voltage varies cyclically with the compression and exhaust stages of the cylinders. The positive cycles may be isolated by a zener diode for examination by a microcomputer. The microcomputer determines the time at which the positive cycles commence (T0,T2,T4,..) and also the times of the peaks (T1,T3,T5...). After the first positive cycle the time of searching for a peak during successive cycles is limited by applying a coefficient (M) to the relative time of occurrence of previous peaks, for example M(T1-T0).

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F02N 11/08

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

EP 0833051 A1 19980401; **EP 0833051 B1 20010801**; BR 9704886 A 19990126; CN 1070580 C 20010905; CN 1186162 A 19980701; DE 69705908 D1 20010906; DE 69705908 T2 20020404; FR 2754016 A1 19980403; FR 2754016 B1 19981218; JP 4049417 B2 20080220; JP H10159694 A 19980616; US 5992365 A 19991130

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EP 97402218 A 19970924; BR 9704886 A 19970926; CN 97119673 A 19970926; DE 69705908 T 19970924; FR 9611792 A 19960927; JP 26367297 A 19970929; US 93877897 A 19970926