

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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**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