

Title (en)

Method and device for stopping a starter motor of a vehicle after start of his combustion engine

Title (de)

Verfahren und Vorrichtung zum Abschalten eines Fahrzeuganlassers nach Anlaufen seines Verbrennungsmotors

Title (fr)

Procédé et dispositif pour la coupure d'un démarreur de véhicule automobile après démarrage de son moteur thermique

Publication

EP 0793015 B1 20010816 (FR)

Application

EP 97400427 A 19970226

Priority

FR 9602464 A 19960228

Abstract (en)

[origin: EP0793015A1] The engine starting procedure involves detecting the oscillations in the signal corresponding to the supply voltage of the starter, or the current which flows through this starter. The supply to the starter is cut when these oscillations disappear. For each new oscillation, a period of scrutiny is established, this period having a duration which decreases with the increase in frequency of the oscillations. The supply to the starter is cut when no further new oscillation is detected within the last period of scrutiny. Within the detection circuitry there is a device which resets to zero the counter monitoring the time of scrutiny. The timing is determined by the period of a square wave pulse derived from a timer whose input is controlled by the voltage on a capacitor which is then discharged each time a signal is produced to reset the counter to zero.

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F02N 11/08

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

EP1847709A3; FR2991952A1

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DOCDB simple family (publication)

EP 0793015 A1 19970903; EP 0793015 B1 20010816; DE 69706084 D1 20010920; DE 69706084 T2 20020606; FR 2745336 A1 19970829; FR 2745336 B1 19980507; JP 4105253 B2 20080625; JP H109101 A 19980113; KR 100479276 B1 20050616; KR 970062320 A 19970912; US 5743227 A 19980428

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