

Title (en)

METHOD FOR SYNCHRONISING THE ELECTRONIC CONTROL SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

SYNCHRONISATIONSVERFAHREN FÜR DAS ELEKTRONISCHE REGELSYSTEM EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE SYNCHRONISATION DU SYSTEME ELECTRONIQUE DE COMMANDE DE MOTEUR A COMBUSTION INTERNE

Publication

**EP 0932751 A1 19990804 (FR)**

Application

**EP 97911282 A 19971017**

Priority

- FR 9701857 W 19971017
- FR 9612685 A 19961018

Abstract (en)

[origin: FR2754852A1] The invention concerns a method for producing a synchronising signal for the electronic control system of an internal combustion engine, characterised in that it comprises the following steps: a) working out a synchronising signal in phase with a signal locating the passage of the pistons in a predetermined position, said synchronising signal being arbitrarily initialised; b) monitoring the operation of the engine when the predetermined conditions are fulfilled; c) modifying the control parameters of the engine for at least two given cylinders of which the operating cycles are out-of-phase by two working strokes; d) computing for the cylinders concerned an algebraic quantity representing the variations in combustion levels; e) deducing from this algebraic quantity the exactitude of the synchronising signal and correcting it if the arbitrary initialisation turns out to be erroneous.

IPC 1-7

**F02B 77/08**

IPC 8 full level

**F02B 77/08** (2006.01); **F02D 41/34** (2006.01)

CPC (source: EP)

**F02B 77/08** (2013.01); **F02D 41/009** (2013.01); **F02D 2041/0092** (2013.01)

Citation (search report)

See references of WO 9817904A1

Cited by

US7373928B2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**FR 2754852 A1 19980424**; **FR 2754852 B1 19990108**; AU 4871697 A 19980515; DE 69712771 D1 20020627; DE 69712771 T2 20021128; EP 0932751 A1 19990804; EP 0932751 B1 20020522; ES 2174232 T3 20021101; WO 9817904 A1 19980430

DOCDB simple family (application)

**FR 9612685 A 19961018**; AU 4871697 A 19971017; DE 69712771 T 19971017; EP 97911282 A 19971017; ES 97911282 T 19971017; FR 9701857 W 19971017