

Title (en)

ELECTRONIC CONTROL SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ELEKTRONISCHES STEUERSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

SYSTEME ELECTRONIQUE DE COMMANDE DE MOTEUR A COMBUSTION INTERNE

Publication

**EP 0784745 A1 19970723 (DE)**

Application

**EP 96908000 A 19960403**

Priority

- DE 9600584 W 19960403
- DE 19527503 A 19950727

Abstract (en)

[origin: DE19527503A1] In an electronic control system for an internal combustion engine, the controller cuts off ignition and/or injection when the will to stop is recognised and determines the position of the internal combustion engine even during the slow down phase until its standstill. Shortly before engine standstill, fuel is once again injected into at least one still open inlet valve. When the internal combustion engine is started again, ignition is triggered in the at least one cylinder into which additional fuel was injected, so that a first torque is immediately generated. In order to determine the probable standstill position of the internal combustion engine, its speed of rotation or speed of rotation gradient is detected during the slowing down phase.

IPC 1-7

**F02D 41/06**

IPC 8 full level

**F02P 5/15** (2006.01); **F02D 41/04** (2006.01); **F02D 41/06** (2006.01); **F02D 41/34** (2006.01); **F02D 43/00** (2006.01); **F02D 45/00** (2006.01); **F02N 99/00** (2010.01)

CPC (source: EP)

**F02D 41/009** (2013.01); **F02D 41/042** (2013.01); **F02D 41/062** (2013.01); **F02N 99/006** (2013.01); **F02D 41/0097** (2013.01); **F02D 2041/0092** (2013.01); **F02D 2041/0095** (2013.01)

Citation (search report)

See references of WO 9705372A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19527503 A1 19970130**; DE 59601222 D1 19990311; EP 0784745 A1 19970723; EP 0784745 B1 19990127; JP 3957752 B2 20070815; JP H10506694 A 19980630; WO 9705372 A1 19970213

DOCDB simple family (application)

**DE 19527503 A 19950727**; DE 59601222 T 19960403; DE 9600584 W 19960403; EP 96908000 A 19960403; JP 50706197 A 19960403