

Title (en)  
Method and apparatus for controlling an internal combustion engine

Title (de)  
Verfahren und Vorrichtung zur Steuerung einer Brennkraftmaschine

Title (fr)  
Procédé et dispositif pour commander un moteur à combustion interne

Publication  
**EP 0708233 A3 19980603 (DE)**

Application  
**EP 95113201 A 19950823**

Priority  
DE 4437336 A 19941019

Abstract (en)  
[origin: EP0708233A2] The control system uses at least one setting element (110) for regulating the quantity of fuel supplied to the engine. A first control stage (130) calculates the required fuel quantity in dependence of a given operating parameter and a second control stage (120) responds to the calculated fuel quantity and a second monitored parameter, to provide a setting parameter for the setting element. Pref. a plausibility check compares the required fuel quantity and the operating duration of a magnetic valve supplying the required quantity of fuel, to provide a fault signal for indexing a fault counter, when the required fuel quantity is zero and the operating duration of the valve is above a threshold value.

IPC 1-7  
**F02D 41/22**; **F02D 41/38**; **F02D 11/10**

IPC 8 full level  
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CPC (source: EP)  
**F02D 41/222** (2013.01); **F02D 41/266** (2013.01); **F02D 41/38** (2013.01); **F02D 2041/226** (2013.01)

Citation (search report)  
• [A] DE 4220247 A1 19931223 - BOSCH GMBH ROBERT [DE]  
• [A] DE 4302810 A1 19940804 - BOSCH GMBH ROBERT [DE]

Cited by  
CN109548406A; CN111886554A; US7937210B2; US12037060B2; WO2007036413A1; WO2018028811A1; WO2019179860A1

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