

Title (en)

Fuel metering control system for internal combustion engine

Title (de)

Regelungssystem für die Brennstoffdosierung eines Innenverbrennungsmotors

Title (fr)

Système de commande du dosage de carburant pour un moteur à combustion interne

Publication

EP 0719924 A2 19960703 (EN)

Application

EP 96300010 A 19960102

Priority

- JP 34002194 A 19941230
- JP 6165295 A 19950225

Abstract (en)

A fuel metering control system for an internal combustion engine including a feedback loop having an adaptive controller and an adaptation mechanism that estimates controller parameters θ / < AND > . The adaptive controller corrects the quantity of fuel injection to bring a controlled variable obtained at least based on an output of said air/fuel ratio sensor, to a desired value. The adaptation mechanism is input with the controlled variable once per prescribed crank angle such as a TDC of a certain cylinder and estimates the controller parameters. Using the controller parameters, it is discriminated whether system operates stably. <IMAGE>

IPC 1-7

F02D 41/14; F02D 41/04

IPC 8 full level

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