

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 du carburant pour un moteur à combustion interne

Publication

EP 0719928 A2 19960703 (EN)

Application

EP 96300015 A 19960102

Priority

- JP 34002194 A 19941230
- JP 6165395 A 19950225
- JP 6165595 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 a controller parameters $\theta/\leq \text{AND}$. 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 air/fuel ratio sensor outputs are sampled and one of the sampled data is selected as the air/fuel ratio to be input to the adaptation mechanism. Similarly, the sensor outputs are sampled and one of the samples is selected in accordance with another characteristic to be used in the estimation of the air/fuel ratios of the individual cylinder. The air/fuel ratio is discriminated to be within a prescribed range, and set to a predetermined value when it is determined to be within the prescribed range.

<IMAGE>

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IPC 8 full level

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