

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  $\theta$ / $\leq$  AND $\geq$  . 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>

IPC 1-7

**F02D 41/14**; **F02D 41/34**

IPC 8 full level

**F02D 41/00** (2006.01); **F02D 41/14** (2006.01); **F02D 41/34** (2006.01)

CPC (source: EP)

**F02D 41/008** (2013.01); **F02D 41/1402** (2013.01); **F02D 41/1473** (2013.01); **F02D 41/2454** (2013.01); **F02D 41/2477** (2013.01); **F02D 41/1456** (2013.01); **F02D 2041/1409** (2013.01); **F02D 2041/1415** (2013.01); **F02D 2041/1416** (2013.01); **F02D 2041/1417** (2013.01); **F02D 2041/1418** (2013.01); **F02D 2041/142** (2013.01); **F02D 2041/1426** (2013.01); **F02D 2041/1433** (2013.01); **F02D 2250/12** (2013.01)

Cited by

US10773666B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0719928 A2 19960703**; **EP 0719928 A3 19990310**; **EP 0719928 B1 20060419**; DE 69636047 D1 20060524; DE 69636047 T2 20061026

DOCDB simple family (application)

**EP 96300015 A 19960102**; DE 69636047 T 19960102