

Title (en)  
Cylinder-selective regulation of the air/fuel ratio

Title (de)  
Zylinderselektive Regelung des Luft-Kraftstoff-Verhältnisses

Title (fr)  
Régulation par cylindre du taux air/carburant

Publication  
**EP 0992666 B1 20080326 (DE)**

Application  
**EP 99117175 A 19990901**

Priority  
DE 19846393 A 19981008

Abstract (en)  
[origin: EP0992666A2] A lambda probe (30) in an exhaust tract sends a gas tension signal corresponding to an air-fuel ratio to be fed into a computer (24), specifying the air-fuel ratio for each cylinder. Relying on a base fuel injection value and identified air-fuel ratios for each cylinder, a fuel apportioning unit (FAU) specifies an amount of injected fuel. A fuel feeder unit (20) supplies an internal combustion engine's (10) cylinders with an amount of injected fuel specified by the FAU. Gas tension variation in relation to gas tension signals from adjacent cylinders is identified for each cylinder. Amounts to be injected are adjusted by relying on this gas tension variation.

IPC 8 full level  
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CPC (source: EP US)  
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