

Title (en)

Method of closed loop control of the air/fuel ration of an internal combustion engine

Title (de)

Verfahren zur Regelung des Kraftstoff-Luft-Verhältnisses einer Brennkraftmaschine

Title (fr)

Méthode de commande rétroactive du rapport air/carburant d'un moteur à combustion intern

Publication

EP 0848151 A3 19990512 (DE)

Application

EP 97120602 A 19971125

Priority

DE 19651613 A 19961212

Abstract (en)

[origin: EP0848151A2] The air/fuel ratio regulation method uses a regulator with a proportional-integral regulation characteristic, receiving a signal from a lambda probe (5) which is inserted in the engine exhaust line upstream of a catalyser (2), providing a setting value for the fuel/air ratio. The proportional component of the output signal from the first regulation circuit (9) for the first lambda probe is altered in dependence on the output signal from a second lambda probe (6) inserted in the exhaust gas line after the catalyser.

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IPC 8 full level

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CPC (source: EP)

F02D 41/1441 (2013.01); **F02D 41/1483** (2013.01)

Citation (search report)

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- [A] US 5115639 A 19920526 - GOPP ALEXANDER Y [US]
- [A] DE 3500594 A1 19860717 - BOSCH GMBH ROBERT [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 418 (M - 871) 18 September 1989 (1989-09-18)

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