

Title (en)

Process and device for regulating the richness of an air/fuel mixture feeding an internal-combustion engine

Title (de)

Verfahren und Vorrichtung zur Regelung des einem Verbrennungsmotor zugeführten Kraftstoff-Luftgemischgehaltes

Title (fr)

Procédé de régulation de la richesse du mélange carburant/air d'alimentation d'un moteur à combustion

Publication

EP 1170494 A3 20030122 (FR)

Application

EP 01401653 A 20010622

Priority

FR 0008889 A 20000707

Abstract (en)

[origin: EP1170494A2] During a particular functioning phase of the engine (12) which causes a variation in the richness of the mixture, the proportional value (Bprop) and the integral value (Bint) are multiplied by a first and second coefficient (D1 and D2) respectively, which are greater than or equal to 1, in such a manner as to accelerate the return of the stoichiometric richness and to minimize the production of pollutants. The quantity of fuel injected (Q) depends upon the proportional value and the integral value which are determined from the pressure in the intake manifold and the engine state.

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Citation (search report)

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- [Y] US 4878472 A 19891107 - HIBINO YOSHITAKA [JP]
- [A] GB 2248315 A 19920401 - BOSCH GMBH ROBERT [DE]
- [A] US 5492107 A 19960220 - FURUYA JUNICHI [JP]
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