

Title (en)
Adapting method for the control of injection

Title (de)
Adaptionsverfahren zur Steuerung der Einspritzung

Title (fr)
Méthode d'adaptation pour la commande d' injection

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Application
EP 01103435 A 20010214

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DE 10011690 A 20000310

Abstract (en)
An adaption method for controlling the injection of a multi- cylinder internal-combustion (IC) engine, which is operated phase-wise stoichiometric and lean, involves a first stage (a) of continuously controlling the injection for each cylinder in stoichiometric and/or homogenous-lean operating phases, so that each cylinder on average is operated with stoichiometric or the required homogenous-lean mixture, where a first correction factor is continuously determined and stored, for the basic injection values, and which restores or reproduces the deviation of the actual injection from the desired injection. In a second stage (b), in the stratified-lean operating phases, control of injection for each cylinder is carried out so that each cylinder generates a given torque or that the running smoothness of the engine is maximal. A correction of the basic injection values then follows, during which the first correction factor stored finally in stage (a) is used.

Abstract (de)
Bei einem Adaptionsverfahren zur Steuerung der Einspritzung einer Mehrzylinder-Brennkraftmaschine erfolgt eine λ -Gleichstellung der einzelnen Zylinder (11) im homogenen Betrieb dahingehend, dass allen Zylindern (11) die gleiche Kraftstoffmasse eingespritzt wird. Im geschichtet-mageren Betrieb erfolgt eine Drehmomentengleichstellung, bei der die Einspritzsteuerung so adaptiert wird, dass alle Zylinder (11) das gleiche Drehmoment abgeben. Bei Beginn dieser Drehmomentengleichstellung werden die letzten Werte der λ -Gleichstellung verwendet, jedoch nicht umgekehrt.
<IMAGE>

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