

Title (en)

METHOD FOR ADAPTING MIXTURE CONTROL IN INTERNAL COMBUSTION ENGINES WITH DIRECT FUEL INJECTION

Title (de)

VERFAHREN ZUR GEMISCHADAPTION BEI VERBRENNUNGSMOTOREN MIT BENZINDIREKTEINSPRITZUNG

Title (fr)

PROCEDE D'ADAPTATION DE MELANGE DANS DES MOTEURS A COMBUSTION INTERNE AVEC INJECTION DIRECTE D'ESSENCE

Publication

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Application

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Abstract (en)

[origin: WO0218768A1] The invention relates to a method for compensating for incorrect adaptations of the precontrol of the fuel metering of an internal combustion engine that is operated in at least two operating modes, namely homogeneous normal operation and stratified charge operation. The inventive method is further characterized in that mixture control and adaptation of said mixture control takes place in the homogeneous normal operation. Depending on a desired operation, the control switches between the two operating modes, said desired operation being determined by a plurality of operating mode requirements, a priority being allocated to every operating mode requirement. The desired operation is determined depending on the priorities of the operating mode requirements. The physical urgency of the adaptation is increased by different intervals, thereby requiring a switch to the homogeneous operation.

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