

Title (en)

MIXTURE ADAPTATION METHOD FOR INTERNAL COMBUSTION ENGINES WITH DIRECT GASOLINE INJECTION

Title (de)

VERFAHREN ZUR GEMISCHADAPTION BEI VERBRENNUNGSMOTOREN MIT BENZINDIREKTEINSPRITZUNG

Title (fr)

PROCEDE D'ADAPTATION DU MELANGE DANS LES MOTEURS A COMBUSTION INTERNE A INJECTION DIRECTE DE CARBURANT

Publication

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Application

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Priority

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- DE 10043093 A 20000901

Abstract (en)

[origin: WO0218767A1] The invention relates to a method for compensating mis-adaptation in the pre-control system of a fuel metering system for an internal combustion engine that is operated in at least the two different operating modes homogenous mode and shift mode. The homogenous mode comprises mixture control and adaptation of the mixture control. A changeover between the operating modes takes place in accordance with a desired operating mode, which is determined based on a plurality of operating mode requirements. The operating mode requirements are each prioritised and the desired operating mode is determined according to the priority of the operating mode requirements. The method momentarily switches over to homogenous mode with activation of the adaptation process even outside the normal conditions in which the adaptation process is activated. A deviation of the adaptation variable from its neutral value during the momentary activation is evaluated as a suspected error and if there is a suspected error, the engine control programme increases the adaptation priority under normal activation circumstances.

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