

Title (en)
METHOD FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUM STEUERN EINER BRENNKRAFTMASCHINE

Title (fr)
PROCEDE POUR COMMANDER UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1216352 A1 20020626 (DE)

Application
EP 00945597 A 20000607

Priority
• DE 0001846 W 20000607
• DE 19947037 A 19990930

Abstract (en)
[origin: DE19947037C1] An internal combustion engine having multiple cylinders to which are associated at least one fuel injection valve and at least one regulating member to regulate the air mass which is supplied to the cylinders, whereby at least one sensor for the detection of a parameter characteristic of the air-fuel ratio in the individual cylinders and at least one sensor for the detection of a parameter characteristic of the torque generated in the individual cylinders or for the detection of a parameter characteristic of the differences in torque generated in the individual cylinders, are provided. The inventive method is according to the following steps: air-fuel ratio for the individual cylinders is determined; the control of at least one fuel injection valve of the individual cylinders is adjusted according to the detected air-fuel ratio and according to the desired parameter of said air-fuel ratio. The parameter which characterises the torque or the differences in torque is determined for the individual cylinders and the control of at least one regulating member which regulates the air mass in the individual cylinders is adjusted according to the torque-characteristic value detected or according to the difference in torque-characteristic parameter and indeed, according to an adjustment in torque generated by the individual cylinders.

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