

Title (en)

ADAPTIVE METHOD FOR FUEL INJECTOR CONTROL AND CYLINDER BALANCING

Title (de)

ADAPTIONSVORFAHREN ZUR EINSPRITZVENTILANSTEUERUNG UND ZYLINDERGLEICHSTELLUNG

Title (fr)

PROCÉDÉ D'ADAPTION DE COMMANDE D'INJECTEUR DE CARBURANT ET D'ÉQUILIBRAGE DES CYLINDRES

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Application

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Priority

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Abstract (en)

[origin: WO2012016763A2] The invention relates to a method (61) for operating an internal combustion engine (11) having a plurality of combustion chambers (15), at least one combustion chamber (15) being assigned an injection valve (13) for injecting fuel (mf) into the combustion chamber (15), wherein, for a least one combustion chamber (15), an air ratio (?) that is individual to the combustion chamber is adjusted and/or, for at least one combustion chamber (15), a torque (M) that is individual to the combustion chamber is determined. In order to specify a method (61) for operating an internal combustion engine (11) with which, for individual combustion chambers (15), specific properties can be registered and, if necessary, accommodated, the intention being for faulty adaptations to be avoided to the greatest possible extent, it is proposed that, for at least one injection valve (13), an activation period (TA) of the injection valve (15) is adapted (A) by measuring or determining a valve opening period (T) of the injection valve (15) in such a way that tolerances of the injection valve (15) with respect to a relationship between the activation period (TA) and the valve opening period (T) are at least substantially compensated.

IPC 8 full level

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