Title (en)

METHOD FOR ADAPTING THE ACTUAL INJECTION QUANTITY, INJECTION DEVICE AND INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM ANPASSEN DER TATSÄCHLICHEN EINSPRITZMENGE, EINSPRITZVORRICHTUNG UND BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ PERMETTANT D'ADAPTER LA QUANTITÉ D'INJECTION EFFECTIVE, DISPOSITIF D'INJECTION ET MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2011124584A1] The invention relates to a method for adapting the actual injection quantity of an injector of an internal combustion engine to the target injection quantity, to an injection device for an internal combustion engine, and to an internal combustion engine. In the method, the crankshaft acceleration achieved by a test injection pulse is detected in the rotational speed signal of the internal combustion engine and on this basis the injected fuel quantity of the injector is determined. On the basis of the determined injected fuel quantity, the actuating data of the injector of the internal combustion engine is corrected. To this end, the injected fuel quantity of the injector is detected and corrected by a test injection pulse during the normal fired operational state of the internal combustion engine.

IPC 8 full level

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