

Title (en)

METHOD FOR CONTROLLING A FUEL-INJECTION VALVE

Title (de)

VERFAHREN ZUM STEUERN EINES KRAFTSTOFFEINSPRITZVENTILS

Title (fr)

PROCEDE POUR COMMANDER UNE SOUPAPE D'INJECTION DE CARBURANT

Publication

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Application

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Abstract (en)

[origin: WO2005108771A1] The invention relates to a method for controlling a fuel-injection valve comprising a piezoelectric actuator as the valve member, the latter releasing or sealing a connection to a chamber that is located downstream, an electric actuating element for actuating the valve member and a prestressing element, which prestresses the valve member in a prestressing direction. Said valve also comprises a sensor element, which is located on the same axis as the valve member and which delivers an output signal to a control unit by means of the forces acting on the valve member. In said valve, the control unit supplies the actuating element with electric excitation, which has at least an approximately inverse course to that of the output signal of the sensor element.

IPC 8 full level

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