

Title (en)
METHOD FOR DOSING A FUEL INJECTION VALVE

Title (de)
VERFAHREN ZUM ZUMESSEN VON BRENNSTOFF MIT EINEM BRENNSTOFFEINSPRITZVENTIL

Title (fr)
PROCEDE DE DISTRIBUTION DOSEE DE CARBURANT AU MOYEN D'UNE SOUPAPE D'INJECTION DE CARBURANT

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Application
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Abstract (en)
[origin: DE19936944A1] The invention relates to a method for dosing fuel using a fuel-injection valve (1) especially an injection valve for fuel injection internal combustion engines (3). It comprises one piezoelectric or magnetorestrictive actuator (16) and a valve-closing body (14) controlled by valve lift (h) in the actuator (16). Said valve-closing body co-operates with a valve surface (13) in the valve body (11) to provide an air-tight seat. In order to generate variable fuel flow (Q) in the air-tight seat, the valve lift (h) can be variably regulated depending on variable control signal that controls the actuator (16). In order to obtain a compensating curve, the fuel flow (Q) of the fuel spray (40) injected by the fuel injection valve (1) is measured depending on the control signal to generate a compensating curve (46). A predetermined fuel flow (40) is regulated with the control signal using the compensating curve (46).

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