Title (en)

METHOD FOR ADJUSTING THE AMOUNT OF FLOW AT A FUEL INJECTION VALVE

Title (de)

VERFAHREN ZUM EINSTELLEN DER STRÖMUNGSMENGE AN EINEM BRENNSTOFFEINSPRITZVENTIL

Title (fr)

PROCEDE POUR AJUSTER LE DEBIT AU NIVEAU D'UNE SOUPAPE D'INJECTION DE CARBURANT

Publication

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Application

**EP 00972606 A 20000929**

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- DE 19947780 A 19991002

Abstract (en)

[origin: DE19947780A1] The invention relates to a method for adjusting the amount of flow at a fuel injection valve which is provided with an excitable actuating element and a valve closing element that can be axially moved along a longitudinal axis of the valve and engages with a solid valve seat for opening and closing the valve, whereby said valve seat is embodied on a valve seat element (26). The fuel injection valve is also provided with a multi-layer or multi-disc perforated disc (30) that is arranged downstream in relation to the valve seat. Said fuel injection valve is characterised in that the amount of fuel conveyed is measured in a first procedure step, whereby said amount pertains to the opened fuel injection valve. In a second procedure step, a lower bottom layer (62) of the perforated disc (30) is formed in the direction towards the valve seat and into a free cross-section of the flow, whereby said cross-section pertains to the layer (61) lying above. The free cross-section of flow in the perforated disc (30) is changed until the real amount conveyed matches with the pre-determined desired amount.

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