

Title (en)
FUEL INJECTION VALVE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2004001219A1] The invention relates to a fuel injection valve for an internal combustion engine, comprising a valve base (1) in which, in a bore (3), a valve hollow needle (5) is disposed so as to be longitudinally displaced. The valve hollow needle (5), at its combustion chamber end, is provided with a conical valve stem (24) that interacts with a conical valve seat (18) disposed at the combustion chamber end of the bore (3). In the valve hollow needle (5) a longitudinal bore (6) is configured in which a valve needle (7) is disposed which, with a valve locating face (26) configured at its combustion chamber end, likewise interacts with the valve seat (18). The combustion chamber end tip of the valve hollow needle (5) is formed by a chamfered element (30).

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