

Title (en)  
FUEL-INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
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Abstract (en)  
[origin: WO0102719A1] The invention relates to a fuel-injection valve (5), in particular, a fuel-injection valve which projects directly into the combustion chamber of an internal combustion engine, comprising a fuel inlet (7), an excitable actuating element (10, 11, 19) which can displace a valve closing element (28), a fixed valve seat (27) which interacts with the valve closing member (28) to open and close the valve and comprising a fuel outlet which is configured in a valve end (8) that is located downstream. The fuel outlet is formed from at least one exit opening (32) which is located downstream of the valve seat (27). The valve-seat element (26) which has at least one exit opening (32) has a coating at least in the mouth area (55) of the exit opening (32) on its downstream face (54) which prevents coke deposits in this area.

IPC 8 full level  
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