

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
**EP 05738062 A 20050502**

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Abstract (en)  
[origin: WO2006005640A1] The invention relates to a fuel injection valve (1) for directly injecting fuel into the combustion chamber of an internal combustion engine. Said valve comprises a valve needle (4) which is arranged in a nozzle body (3), can be actuated by an activator (7), and is acted upon by a restoring spring (9) in such a way that a valve closing body (5) interacting with the valve needle (4) and facing the combustion chamber is held on a valve seat surface in the unactuated state of the actuator (7) in a sealing manner. A surface of the fuel injection valve (1) is embodied in a concave manner in a transition region (13) between the nozzle body (3) and the valve closing body (5).

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