

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 1432908 B1 20050126 (DE)**

Application  
**EP 02742719 A 20020507**

Priority  
• DE 0201641 W 20020507  
• DE 10136807 A 20010727

Abstract (en)  
[origin: WO03012282A1] A fuel injection valve, in particular an injection valve for fuel injection units on internal combustion engines, comprises a piezoelectric or magnetostrictive actuator (1), arranged between a valve body (12) and an actuator head (15) and operates a valve closing body by means of a valve needle, which co-operates with a valve seat surface to form a sealing seat. A barreled sleeve (16) which is convex in longitudinal section between two diameters at the ends thereof, seals the actuator to a combustion chamber (14) and surrounds the actuator (1), whereby the barreled sleeve is non-positively connected at the ends thereof to the valve body (12) and the actuator head (15) and is tensioned along a longitudinal axis of the actuator (1).

IPC 1-7  
**F02M 51/06**; **F02M 61/20**

IPC 8 full level  
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