

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 1115970 B1 20050223 (DE)**

Application  
**EP 99923380 A 19990323**

Priority  
• DE 9900839 W 19990323  
• DE 19843570 A 19980923

Abstract (en)  
[origin: DE19843570A1] The invention relates to a fuel injection valve (1), more particularly, an injection valve for fuel injection systems in internal combustion engines. Said valve comprises a piezoelectric or magnetostrictive actuator (13). Said actuator (13) actuates a valve closing body (3) by means of a valve needle (2) interacting with a valve seat surface (27) to form a sealing seat. A fuel line (8, 10, 11, 12) extends from a fuel admission tube (7) to the sealing seat. The actuator (13) has a tubular shape and encompasses the fuel line (8, 10, 11, 12) at least in certain areas.

IPC 1-7  
**F02M 51/06**

IPC 8 full level  
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**DE 19843570 A1 20000330**; DE 59911662 D1 20050331; EP 1115970 A1 20010718; EP 1115970 B1 20050223; ES 2237916 T3 20050801; JP 2002525485 A 20020813; KR 20010075280 A 20010809; US 6585171 B1 20030701; WO 0017507 A1 20000330

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