

Title (en)  
Fuel injector

Title (de)  
Brennstoffeinspritzventil

Title (fr)  
Soupape d'injection de carburant

Publication  
**EP 1491760 B1 20060927 (DE)**

Application  
**EP 04009262 A 20040420**

Priority  
DE 10328573 A 20030625

Abstract (en)  
[origin: EP1491760A1] The valve (1) has an actuation train with a piezoelectric, electrostrictive or magnetostrictive actuator (2) that interacts with a valve closure body (8) that forms a seal with a valve seat (9). At least one flexible section (25,26) subject to fuel pressure on one side is arranged on either (upstream and downstream) side of the actuator. The first and second flexible sections are arranged so that they, or the fuel pressure acting on them, exert opposing axial forces on the actuator or actuating train.

IPC 8 full level  
**F02M 61/20** (2006.01); **F02M 51/06** (2006.01); **F02M 61/08** (2006.01)

CPC (source: EP)  
**F02M 51/0603** (2013.01); **F02M 61/08** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT

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**EP 1491760 A1 20041229; EP 1491760 B1 20060927**; DE 10328573 A1 20050113; DE 502004001567 D1 20061109

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