

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE COMBUSTIBLE

Publication
EP 1472451 B1 20080326 (DE)

Application
EP 02792621 A 20021129

Priority
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• DE 10203659 A 20020130

Abstract (en)
[origin: DE10203659A1] Disclosed is a fuel injection valve (1) for directly injecting fuel into the combustion chamber of a mixture-compressing, externally ignited combustion engine. The inventive fuel injection valve (1) comprises a piezoelectric or magnetostrictive actuator (2) and a valve needle (7) interacting with the actuator (2) via a compensating element (6). A valve closing body (11) interacting with a valve seat (12) to form a sealing seat is configured at the valve needle (7). The compensating element (6) is filled with a rheological fluid (15).

IPC 8 full level
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