

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1481157 A1 20041201 (DE)

Application
EP 02795039 A 20021223

Priority
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Abstract (en)
[origin: WO03072928A1] A fuel injection valve (1), particularly for directly injecting fuel into the combustion chamber of an internal combustion engine, comprises a valve needle (3) that interacts with a valve seat face (6) to create a sealing seat, and comprises an armature (20) that acts upon said valve needle (3). The armature (20) can axially move on the valve needle (3) and is dampened by a damping element (32) made of an elastomer. A spacer ring (33) is placed between the armature (20) and the damping element (32), and the damping element (32) rests against a flange (31) that is connected to the valve needle (3) in a non-positive manner. The armature (20) is mounted on the valve needle (3), whereby the spacer ring (33) prevents it from turning.

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

IPC 8 full level
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CPC (source: EP KR US)
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