

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
**EP 01955273 A 20010720**

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Abstract (en)  
[origin: WO0212709A1] The invention relates to a fuel injection valve (1), especially a fuel injection valve for fuel injection systems of internal combustion engines. Said fuel injection valve comprises a valve needle (3) that co-operates with a valve seat (6) to provide a sealing seat. An anchor (20) acts upon the valve needle (3) and can be axially displaced on the valve needle (3) and is dampened by a dampener (32) that consists of an elastomer. Between the anchor (20) and the dampener (32) a first intermediate ring (34) is disposed. The dampener (32) rests on a flange (32) that is linked with the valve needle (3) in a positive fit. The intermediate ring (34) and/or the flange (31) are provided with radial and/or axial channels that interlink an inner volume (36) present between the valve needle (3) and the dampener (32) with a central recess (42) of the fuel injection valve (1).

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