

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1303696 B1 20040506 (DE)

Application
EP 01953881 A 20010713

Priority
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• DE 10034445 A 20000715

Abstract (en)
[origin: WO0206664A1] A fuel injection valve, especially an injection valve for fuel injection systems of combustion engines, has a valve needle (5) with a valve closing body (6) which interacts with a valve seat surface (8) in a valve seat body (22) to form a sealed seat (9). Said valve seat body (22) has several injection openings (4, 15, 18) which are sealed off from a fuel supply by the sealed seat (9). The valve closing body (6) has a pressure element (11) in a recess (10) that is oriented towards the valve seat body (22), said pressure element being pre-stressed in the direction of the valve seat body (22) by a spring (12) which rests against the valve closing body (6), and pressing a disk spring (13) against the valve seat body (22). Said disk spring (13) overlaps at least one of the injection openings (15). The disk spring (13) unblocks this injection opening (15) without influence from the pressure element (11).

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