

Title (en)
FUEL INJECTION VALVE WITH INTEGRATED SPARK PLUG

Title (de)
BRENNSTOFFEINSPRITZVENTIL MIT INTEGRIERTER ZÜNDKERZE

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT AVEC BOUGIE D'ALLUMAGE INTEGREE

Publication
EP 0861371 B1 20020403 (DE)

Application
EP 97938753 A 19970811

Priority
• DE 9701704 W 19970811
• DE 19638025 A 19960918

Abstract (en)
[origin: DE19638025A1] In the fuel injection valve with integrated spark plug, the valve with integrated spark plug valve needle (12) extends through the valve opening (13) to the body closing the valve (14) located on the side of the injection. A closing spring (16) prestresses the valve needle (12) in an opposite direction to the opening placed in the direction of the injection so that the body closing the valve (14) is placed against the valve seat (15) on the injection side when the fuel injection valve is closed. The armature (32) is held in contact with the valve needle (12) by means of a locating spring (37) which acts in the direction of the opening (37) via an intermediary part (25,35) located between the armature (32) and the valve needle (12). The intermediary part (25,35) comprises an appropriate isolation element (25) for isolation from high voltage.

IPC 1-7
F02M 57/06; **F02M 51/06**; **F02M 61/08**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 57/06** (2006.01); **F02M 61/08** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
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Cited by
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DE FR GB IT

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