

Title (en)
FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 1135606 A1 20010926 (DE)

Application
EP 00967602 A 20000920

Priority
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• DE 19947194 A 19991001

Abstract (en)
[origin: DE19947194A1] The fuel injection valve has a valve body (1), containing a piston valve element (4), displaced axially against a closure spring (21), within a valve bore (5), for controlling at least one fuel injection opening (8). The valve element is enclosed by a control space (10), coupled to a feed channel (2) via an annular gap and to a leakage oil space (20) via a control bore. The volume of the control space is reduced during the closure movement of the valve element for displacement of fuel into the leakage oil space.

IPC 1-7
F02M 61/20

IPC 8 full level
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