

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1757799 A1 20070228 (EN)

Applicaton
EP 05748486 A 20050602

Priority
• JP 2005010532 W 20050602
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Abstract (en)
In a fuel injector (30) in which a valve body (36) which allows a valve piston (35) to be slidably inserted therein is arranged in the inside of an injector housing (32), one end of the valve piston (35) is arranged to face a control pressure chamber (364) formed in the inside of the valve body (36), and a high-pressure fuel is supplied to the inside of the control pressure chamber (364) from the injector housing (32), an annular stepped portion (321A) is formed in the inside of the injector housing (32) and an annular projecting portion (361A) which corresponds to the annular stepped portion (321A) is formed on the valve body (36), the annular projecting portion (361A) is seated on the annular stepped portion (321A) by way of a seal plate (50) having an orifice (501), and a high-pressure fuel is supplied to the inside of the control pressure chamber (364) from the injector housing (32) side by way of the orifice (501). Due to such a constitution, leaking of a high-pressure fuel between the injector housing (32) and the valve body (36) can be surely prevented.

IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)
See references of WO 2005119047A1

Cited by
CN104033300A; US11280306B1; WO2009121646A1

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