

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 2087228 A1 20090812 (DE)

Application
EP 07803448 A 20070913

Priority
• EP 2007059611 W 20070913
• DE 102006051327 A 20061031

Abstract (en)
[origin: WO2008052840A1] A fuel injection valve (1), in particular for the direct injection of fuel into a combustion chamber (18) of an internal combustion engine, has a valve needle (3) which is arranged in a nozzle body (2) and can be actuated by an actuator, and a valve closing body (4) which is operatively connected to the valve needle (3) and, for opening and closing the valve (1), interacts with a valve seat face (6) which is formed on a valve seat body (5), wherein the valve seat body (5) is provided with at least one spray hole (7). The at least one spray hole (7) comprises a first cylindrical section (40) having a fuel inlet opening (36) and a second cylindrical section (41) which is arranged downstream of the first cylindrical section (40) and has a fuel outlet opening (37), wherein the first and the second cylindrical sections (40, 41) do not extend coaxially with respect to one another.

IPC 8 full level
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CPC (source: EP US)
F02M 51/0671 (2013.01 - EP US); **F02M 61/1806** (2013.01 - EP US); **F02M 61/1853** (2013.01 - EP US)

Citation (search report)
See references of WO 2008052840A1

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