

Title (en)
FUEL INJECTION VALVE AND METHOD FOR THE PRODUCTION OF VALVE NEEDLES OR VALVE CLOSING BODIES FOR FUEL INJECTION VALVES

Title (de)
BRENNSTOFFEINSPRITZVENTIL UND VERFAHREN ZUR HERSTELLUNG VON VENTILNADELN ODER VENTILSCHLIESSKÖRPERN FÜR BRENNSTOFFEINSPRITZVENTILE

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT ET PROCEDE DE PRODUCTION D'AIGUILLES DE SOUPAPE OU DE CORPS DE FERMETURE DE SOUPAPE POUR SOUPAPES D'INJECTION DE CARBURANT

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Application
EP 01993756 A 20011109

Priority
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Abstract (en)
[origin: WO0238939A2] A fuel injection valve (1) for fuel injection units on internal combustion engines comprises an actuator (10) and a valve needle (3), operated by said actuator (10), for operation of a valve closing body (4) which co-operates with a valve seat surface (6) to form a sealing seat. The valve needle (3) and/or the valve closing body (4) comprise at least one helical channel (35) arranged on the circumference thereof. Said at least one helical channel (35) comprises a variable width along the direction of flow of the fuel. The at least one helical channel (35) experiences an axial shortening of the throttling length thereof, due to the movement of the valve needle in a stroke direction.

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F02M 51/0671 (2013.01 - EP US); **F02M 61/163** (2013.01 - EP US)

Citation (search report)
See references of WO 0238939A2

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