

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1799997 B1 20091118 (DE)

Application
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Priority
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Abstract (en)
[origin: WO2006040244A1] Disclosed is a fuel injection valve which is characterized in that a perforated disk (23) that is provided with at least one discharge port (24) is disposed downstream of a valve seat member (16) encompassing a fixed valve seat (29). An inlet port (19) comprising an annular hollow inflow space (26) is provided directly upstream of the discharge ports (24). The valve seat member (16) covers the hollow inflow space (26) in such a way that the discharge ports (24) of the perforated disk (23) which are located downstream are covered up. A bordering area (30) of the valve seat member (16) which faces the perforated disk (23) is configured such that the height of the inlet port (19) decreases regularly from an outlet (27) to the at least one discharge port (24) in a first section (30a) while the height of the inlet port (19) is largely constant in a second radially exterior section (30b). The inventive fuel injection valve is particularly suitable for use in fuel injection systems of mixture-compressing spark-ignited internal combustion engines.

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