

Title (en)

VALVE, IN PARTICULAR FUEL INJECTION VALVE

Title (de)

VENTIL, INSBESONDERE BRENNSTOFFEINSPRITZVENTIL

Title (fr)

SOUPEPE, EN PARTICULIER SOUPEPE D'INJECTION DE CARBURANT

Publication

EP 0859910 A1 19980826 (DE)

Application

EP 97942763 A 19970830

Priority

- DE 9701905 W 19970830
- DE 19637103 A 19960912

Abstract (en)

[origin: DE19637103A1] A valve has swirl-generating means (23) arranged downstream of a valve seat (29) and shaped in such a way that they generate at least two streams of a fluid to be injected that are mutually offset in the radial direction and have different orientations. At the boundary between the partial streams with different orientations, swirl-induced shearing forces occur which produce turbulences. This arrangement ensures a uniform, fine spraying of the fluid, in particular a fuel, without additional energy. This valve is particularly suitable for fuel injection systems of mixture-compressing, spark-ignited internal combustion engines.

IPC 1-7

F02M 61/16; **F02M 61/18**; **F02M 51/06**

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 9811341A1

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