

Title (en)  
INJECTION VALVE

Title (de)  
EINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION

Publication  
**EP 2659126 A1 20131106 (DE)**

Application  
**EP 11779671 A 20111109**

Priority  
• DE 102010064268 A 20101228  
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Abstract (en)  
[origin: WO2012089391A1] An injection valve for injecting a liquid comprises an electromagnetic actuator (10, 11, 12), a movable valve needle (5) and a valve closing body (7) which, together with a valve seat surface (29), forms a sealing seat, and a perforated disc (21) which is arranged downstream of the sealing seat and has at least one inlet region (41) and at least one outlet opening (44). Here, an upper functional plane (40) which has the at least one inlet region (41) has a different opening geometry in cross section from a lower functional plane (42) which has the at least one outlet opening (44). A plurality of inlet regions (41) are provided in the perforated disc (21), which inlet regions (41) are provided in each case as a locally delimited cavity with a rectangular or bathtub-shaped contour, which are adjoined by in each case one outlet opening (44) in the flow direction, wherein the outlet openings (44), starting from the centre point of the respective inlet regions (41) and with a longitudinal axis and a transverse axis theoretically passing through it, have an asymmetry with regard to both axes.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2012089391A1

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