

Title (en)

Valve assembly for an injection valve and injection valve

Title (de)

Kraftstoffeinspritzventil und Verfahren zu dessen Montage

Title (fr)

Soupape d'injection de combustible et son procédé d'assemblage

Publication

EP 1898082 B1 20091118 (EN)

Application

EP 06018804 A 20060907

Priority

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Abstract (en)

[origin: EP1898082A1] Valve assembly (60) for an injection valve (62) including a central longitudinal axis (L), comprising a valve body shell (38) having a recess (40) forming an inner surface (54) of the valve body shell (38), a valve body (4) being arranged in the recess (40) of the valve body shell (38), the valve body (4) comprising an outer surface (52) with a mounting contact area (52a) facing the inner contact surface (54) of the valve body shell (38) and extending in axial direction, the valve body (4) comprising a cavity (8) with a fluid inlet portion (42) and a fluid outlet portion (44), a valve needle (10) being axially movable in the cavity (8), the valve needle (10) preventing a fluid flow through the fluid outlet portion (44) in a closing position and releasing the fluid flow through the fluid outlet portion (44) in further positions, and a sealing element (46) being arranged coaxially between the valve body (4) and the valve body shell (38) at an axial end (56) of the mounting contact area (52a), the axial end (56) facing away from the fluid outlet portion (44), the sealing element (46) thereby sealingly coupling the valve body (4) to the valve body shell (38).

IPC 8 full level

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CPC (source: EP)

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