

Title (en)

Valve group for an injector and corresponding injector

Title (de)

Ventileinheit und Einspritzventil mit derselben

Title (fr)

Dispositif de vanne pour un injecteur et injecteur avec celui-ci

Publication

EP 1767773 B1 20080604 (EN)

Application

EP 05020932 A 20050926

Priority

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Abstract (en)

[origin: EP1767773A1] A Valve group for an injector comprises a valve body shell (7) and a valve body (4). The valve body (4) has a first valve body recess (8). The valve group further comprises a needle body which is arranged in the first valve body recess (8). The needle body is arranged movable in axial direction preventing in a closed position of the needle body a fluid flow through an injection nozzle (24) and otherwise enabling the fluid flow through the injection nozzle (24). The needle body has a needle body recess (18) extending in axial direction from one axial end of the needle (10), which is faced away from the injection nozzle (24). A first fluid path enables a fluid flow to the injection nozzle (24). The first fluid path comprises the needle body recess (18), a first fluid line (56) of the needle body (4), a fluid line (54) of the valve body (4), and the valve body recess (8). A second fluid path extends hydraulically parallel to the first fluid path. The second fluid path as well enables a fluid flow to the injection nozzle (24) and comprises the needle body recess (18), a second fluid line (58) of the needle body (4), and the valve body recess (8).

IPC 8 full level

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