

Title (en)
FUEL INJECTOR COMPRISING A HIGH-PRESSURE RESISTANT OPTIMIZED CONTROL SPACE

Title (de)
KRAFTSTOFFINJEKTOR MIT HOCHDRUCKFESTIGKEITSOPTIMIERTEM STEUERRAUM

Title (fr)
INJECTEUR DE CARBURANT A CHAMBRE DE COMMANDE A RESISTANCE A LA HAUTE PRESSION OPTIMISEE

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Application
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Abstract (en)
[origin: WO03004859A1] The invention relates to a fuel injector for storage-type injection systems on direct injection internal combustion engines. The fuel injector comprises an injector body (1) in which a control space (2) is provided. A nozzle needle/plunger assembly (6) inside the injector body (1) can be actuated by said space. The pressure inside the control space (2) can be relieved by an on-off valve (19), whereby a flow channel (14) runs between the control space (2) and the valve space (20) of the on-off valve (19). A high pressure-side inlet (16) with an integrated throttling element (17) leads into the flow channel/valve space area (14, 20).

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