

Title (en)
INJECTOR FOR INJECTING FUEL

Title (de)
INJEKTOR ZUM EINSPRITZEN VON KRAFTSTOFF

Title (fr)
INJECTEUR POUR L'INJECTION DE CARBURANT

Publication
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Application
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Abstract (en)
[origin: WO2008055724A1] The invention relates to an injector for injecting fuel into a combustion chamber of an internal combustion engine, comprising an injector housing, an upper housing part (25) and a center housing part (29), wherein an injection valve member, which opens or closes at least one injection opening, is activated via a control valve (1). The control valve (1) comprises a tappet (9), allowing a connection from a control chamber into a fuel return line to be opened or closed. A bore (15) is provided in the tappet (9), wherein a guiding pin (17) is received in this bore, is radially displaceable in relation to the injector housing (25, 39) and encloses a valve chamber (29) together with the wall of the bore (15) in the tappet (9). Said valve chamber is hydraulically connected with the control chamber. The guiding pin (17) is pressed against a contact surface by the pressure prevailing in the valve chamber (29), thus aligning the tappet (9).

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