

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

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Application  
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Abstract (en)  
[origin: WO2015058929A1] The invention relates to a fuel injector (10) comprising an injector housing (11) in which an injection member (20) is arranged longitudinally displaceable along a longitudinal axis (22), comprising a control chamber (35) hydraulically connected to a high-pressure chamber (25) of the injector housing (11), which control chamber can be hydraulically relieved via a drain hole (30) in the direction of a low-pressure chamber (42) of the injector housing (11), wherein the flow rate of pressure medium through the drain hole (30) can be controlled by means of a valve element (40), wherein the valve element (40) is arranged axially displaceable in a preferably rod-shaped guide element (65; 65a) which plunges into a hole (60) of the valve element (40) and is supported on the side facing away from the valve element (40) on a stationary housing element (55), and wherein the guide element (65; 65a) has a first attenuation region (71) in a region between a guide section (61) of the guide element (65) in the valve element (40) and the stationary housing element (55), in which attenuation region the cross section of the guide element (65; 65a) is reduced.

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