

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 2630361 A1 20130828 (DE)**

Application  
**EP 11764555 A 20111005**

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Abstract (en)  
[origin: WO2012052293A1] The invention relates to a fuel injector (10), having an injector housing (11) in which an element (15), in particular a valve needle, which can be moved up and down, is arranged in a guide bore (22) in order to at least indirectly open and close injection openings in the injector housing (11), wherein the guide bore (22) separates two pressure chambers (20, 25) having different pressures from each other, and wherein fuel present in the pressure chambers (20, 25) flows from the pressure chamber (20) having the higher pressure via the guide gap (23) formed between the element (15) and the guide bore (22) towards the pressure chamber (25) having lower pressure. According to the invention, the guide bore (22) is connected to at least one outflow channel (35, 38) in which there is a lower pressure than in the pressure chamber (20) having the higher pressure.

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