

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
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Application  
**EP 14731623 A 20140618**

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Abstract (en)  
[origin: WO2014206850A1] The invention relates to a fuel injector (10; 10a to 10d), in particular a common-rail injector, comprising an injector housing (15) which can be inserted into a receiving opening (101) of a cylinder head (100) of an internal combustion engine and which has a first region (16) that faces a combustion chamber of the internal combustion engine in the installed position, wherein at least one second region (17, 18) with an increased diameter adjoins the first region on the side facing away from the combustion chamber. The first region (16) consists of metal and is radially surrounded by a first sealing element (25; 25a; 25b; 25c; 36) on the side facing the combustion chamber, said sealing element being insertable into the annular space between the first region (16) of the injector housing (15) and the receiving opening (101) in the region of a first bore portion (103; 103d) of the receiving bore (101). The fuel injector also comprises a second sealing element (23; 37) which can be axially clamped between the injector housing (15) and a bearing surface (106) of the receiving opening (101) for the injector housing (15) on the side facing away from the combustion chamber.

IPC 8 full level  
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Cited by  
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