

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3156638 B1 20200318 (EN)**

Application  
**EP 15189838 A 20151014**

Priority  
EP 15189838 A 20151014

Abstract (en)  
[origin: EP3156638A1] The invention refers to a fuel injector (1) which comprises a retainer element (17) being connected to a valve needle (5), an armature (12) being movably arranged between a first and a third position and a first spring element (34) being arranged between the armature (12) and a member (17, 22) of the fuel injector (1) and biasing the armature (12) away from the retainer element (17). The first spring element (34) is arranged in a spring receptacle (35). The spring receptacle (35) comprises a first recess (32) of the armature (12) which is hydraulically connected to a further recess (37) of the fuel injector (1) by means of a channel (36) comprised by the armature (12) and/or the spring receptacle (35) comprises a second recess (33) of the member (17, 22) which is hydraulically connected to the further recess (37) by means of a channel (40) comprised by the member (17, 22).

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
EP3339628A1; WO2018115197A1; WO2018206382A1; CN110612390A; KR20200003824A; JP2020519805A; US2020386199A1; EP3779172A1; EP4033087A1; KR20230043253A

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