

Title (en)  
FUEL INJECTOR AND USE THEREOF

Title (de)  
KRAFTSTOFFINJEKTOR UND DESSEN VERWENDUNG

Title (fr)  
INJECTEUR DE CARBURANT ET UTILISATION DE CELUI-CI

Publication  
**EP 3559438 A1 20191030 (DE)**

Application  
**EP 17798174 A 20171106**

Priority  
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• EP 2017078285 W 20171106

Abstract (en)  
[origin: WO2018114111A1] The invention relates to a fuel injector (100), having an injector housing (11), in which an injection element (19) is guided so as to be movable up and down, having a valve piece (15), in which a cut-out (17) is formed, which together with the injection element (19) delimits a control space (25) which can have the pressure therein relieved by way of a drain hole (26) into a low pressure region (28) of the injector housing (11), wherein the drain hole (26) can be revealed and closed by a valve element at least indirectly designed as a magnetic armature (40; 40a) by means of a sealing edge (42) in the region of a sealing face (38) formed on the valve piece (15), and wherein the magnetic armature (40; 40a) which interacts with a solenoid coil (80) can be displaced along a longitudinal axis (22) and is radially guided by a projection (35) of the valve piece (15) on a radially circumferential guide region (50) of the valve piece (15).

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