

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

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Application
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Abstract (en)
[origin: WO2015128127A1] The invention relates to a fuel injector (10), in particular a common-rail injector for self-igniting internal combustion engines, comprising an injector housing (11) in which a sensor element is arranged in a low-pressure region (45) for at least indirectly detecting a fuel pressure prevailing in a high-pressure region (20), the sensor element resting against an elastically deformable sealing element (69) on the side remote from the high-pressure region (20), said sealing element sealing a receiving space (66) for the sensor element. According to the invention, the sensor element is designed in the form of a force sensor (75) having at least one strain measuring element, the force sensor (75) being connected to the sealing element (69).

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