

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 3111079 A1 20170104 (DE)

Application
EP 15702680 A 20150122

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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).

IPC 8 full level
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Citation (search report)
See references of WO 2015128127A1

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DE 102014203642 A1 20150903; CN 106662060 A 20170510; CN 106662060 B 20200714; EP 3111079 A1 20170104; EP 3111079 B1 20181128; KR 102225328 B1 20210309; KR 20160124126 A 20161026; WO 2015128127 A1 20150903

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