

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
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Application  
**EP 20700346 A 20200108**

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Abstract (en)  
[origin: WO2020144194A1] The invention relates to a fuel injector (10), in particular a common rail injector, comprising: an injector housing (11), in which a high-pressure chamber (15) is formed which can be supplied with pressurised fuel via a supply bore (19) arranged in the injector housing (11); and a sensing device (30; 30a; 30b) for at least indirectly detecting the pressure in the high-pressure chamber (15) or in the supply bore (19). The sensing device (30; 30a; 30b) is designed to detect elastic deformation of a deformation region (27), which region is at least indirectly operatively connected to the supply bore (19) or the high-pressure chamber (15), and the sensing device (30; 30a; 30b) comprises a housing (35) in which a sensor element (32) in the form of a piezo element (31) is arranged which is operatively connected to the deformation region (27).

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