

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 2106500 A1 20091007 (DE)**

Application  
**EP 07821687 A 20071023**

Priority  
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Abstract (en)  
[origin: WO2008077657A1] The invention relates to a fuel injector with an injector housing (1) which has a high-pressure fuel connection which is connected to a central high-pressure fuel source (28) outside the injector housing (1) and with a pressure space (17) within the injector housing (1). According to the pressure in a coupling space, fuel under a high pressure is injected from the pressure space (17) into a combustion space of an internal combustion engine when a nozzle valve (8) opens which has a combustion space-remote end (45) with a control pressure surface (61) which is acted upon in the coupling space by the coupling space pressure. In order to create a fuel injector which can be produced inexpensively, the nozzle valve (8) has at least one low-pressure surface (50) which is averted from the combustion space and acted upon with low pressure.

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**F02M 47/027** (2013.01 - EP US); **F02M 61/161** (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US)

Citation (search report)  
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