

Title (en)  
Fuel injector

Title (de)  
Kraftstoffinjektor

Title (fr)  
Injecteur de carburant

Publication  
**EP 1840366 B1 20101215 (DE)**

Application  
**EP 07102118 A 20070212**

Priority  
DE 102006014245 A 20060328

Abstract (en)  
[origin: EP1840366A2] The injector has an injector housing (1) comprising a fuel high pressure inlet, which stays in connection with a central fuel high pressure source and a pressure chamber (10). Fuel is injected into a combustion chamber of an internal combustion engine when a nozzle needle (8) is opened. The needle is coupled with a piezoactuator (14) by a hydraulic coupler, which comprises coupling chambers (24, 28) loaded with high pressure. The coupling chambers stay in connection with a pressure discharging chamber, where output pressure in the coupling chambers is smaller. An independent claim is also included for a method for injecting fuel loaded with pressure into a combustion chamber of an internal combustion engine.

IPC 8 full level  
**F02M 51/06** (2006.01)

CPC (source: EP)  
**F02M 51/0603** (2013.01); **F02M 2200/705** (2013.01); **F02M 2200/708** (2013.01)

Cited by  
CN104797807A; US10024285B2; US9689359B2; US10508635B2

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