

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 2002111 A2 20081217 (DE)

Application
EP 07726342 A 20070212

Priority
• EP 2007051320 W 20070212
• DE 102006014251 A 20060328

Abstract (en)
[origin: DE102006014251A1] The injector has a high pressure fuel inlet (26) connected with a central high pressure fuel source and a pressure chamber (17), where the fuel is injected from the inlet into a combustion chamber of an internal combustion engine, when a nozzle needle (8) opens. The needle is coupled with a piezo-actuator (30) by a hydraulic coupler. The actuator is preloaded by a defined preload force that acts in the same direction as a compressive force and is larger than the compressive force. The compressive force acts on the actuator with a relatively low operating pressure of the coupler.

IPC 8 full level
F02M 51/06 (2006.01)

CPC (source: EP)
F02M 51/0603 (2013.01); **F02M 61/167** (2013.01); **F02M 2200/703** (2013.01)

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DE 102006014251 A1 20071004; AT E467759 T1 20100515; DE 502007003736 D1 20100624; EP 2002111 A2 20081217; EP 2002111 B1 20100512; WO 2007110267 A2 20071004; WO 2007110267 A3 20080410

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