

Title (en)  
Fuel injector

Title (de)  
Kraftstoffeinspritzdüse

Title (fr)  
Injecteur de carburant

Publication  
**EP 2806149 A1 20141126 (EN)**

Application  
**EP 13168843 A 20130523**

Priority  
EP 13168843 A 20130523

Abstract (en)  
A fuel injector including: piezoelectric actuation means, a valve arrangement comprising a nozzle including a valve seat, and a valve needle, said needle adapted to be slidable within said nozzle so as to selectively open and close the valve by respective disengagement/ engagement of the needle against the seat to allow fuel from a pressurised source to be injected into a combustion space, and hydraulic inverter means adapted such that activation/deactivation of said piezoelectric actuation means provides respective retraction/extension of said needle away or to said valve seat so as to open/close the valve respectively.

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)  
**F02M 51/0603** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/704** (2013.01)

Citation (search report)

- [XY] US 2010006676 A1 20100114 - SUZUKI TAKASHI [JP], et al
- [XY] DE 10326046 A1 20041230 - BOSCH GMBH ROBERT [DE]
- [XAY] US 2005077394 A1 20050414 - IGASHIRA TOSHIHIKO [JP], et al
- [XAY] DE 102010040938 A1 20120322 - BOSCH GMBH ROBERT [DE]
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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