

Title (en)
Fuel Injector

Title (de)
Kraftstoffeinspritzdüse

Title (fr)
Injecteur de carburant

Publication
EP 2295785 B1 20120404 (EN)

Application
EP 09166712 A 20090729

Priority
EP 09166712 A 20090729

Abstract (en)
[origin: EP2295785A1] A fuel injector (100) for use in an internal combustion engine, the fuel injector (100) comprising an injection nozzle having a nozzle body (120) provided with a nozzle bore (130), a valve needle (134) being received within the nozzle bore (130) and engageable with a seat region (137) to control fuel delivery through at least one nozzle outlet (126) and first and second actuator arrangements (150, 152), at least the first actuator arrangement (150, 152) being operable to apply an opening force to the valve needle (134) thereby to cause an opening movement of the valve needle (134), wherein the first actuator arrangement (150) is configured to decouple from the valve needle (134) in response to said opening movement.

IPC 8 full level
F02M 51/06 (2006.01)

CPC (source: EP)
F02M 51/0614 (2013.01); **F02M 51/0617** (2013.01); **F02M 51/066** (2013.01); **F02M 51/0685** (2013.01)

Cited by
JP2014132161A; JP2014132162A; WO2023203186A1; EP2483584A1; WO2023148347A1; EP2320061A1; WO2011054613A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (publication)
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