

Title (en)
FUEL INJECTOR HAVING LOW WEAR

Title (de)
KRAFTSTOFFINJEKTOR MIT GERINGEM VERSCHLEISS

Title (fr)
INJECTEUR DE CARBURANT À FAIBLE NIVEAU D'USURE

Publication
EP 2156047 A1 20100224 (DE)

Application
EP 08759582 A 20080514

Priority
• EP 2008055899 W 20080514
• DE 102007025617 A 20070601

Abstract (en)
[origin: WO2008145515A1] The invention relates to a fuel injector (132) for injecting fuel into a combustion chamber of an internal combustion machine. The fuel injector (132) comprises an injection valve member (140), a nozzle chamber (144) connected to a high-pressure inlet (150), and a control chamber (156) controlling a lift movement of the injection valve member (140). The pressure in the control chamber (156) can be switched by an actuator-controlled valve (162). An additional vibration damping bore (168) is provided between two point connected to the high-pressure inlet (150). Said bore comprises a damping channel (170) extending in the injector housing (134) substantially parallel to the injector axis (142).

IPC 8 full level
F02M 47/02 (2006.01); **F02M 55/04** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 55/04** (2013.01); **F02M 63/0225** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)
See references of WO 2008145515A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007025617 A1 20081204; EP 2156047 A1 20100224; EP 2156047 B1 20140716; WO 2008145515 A1 20081204

DOCDB simple family (application)
DE 102007025617 A 20070601; EP 08759582 A 20080514; EP 2008055899 W 20080514