

Title (en)
COMMON RAIL INJECTOR

Title (de)
COMMON-RAIL-INJEKTOR

Title (fr)
INJECTEUR COMMON RAIL

Publication
EP 1733139 A1 20061220 (DE)

Application
EP 05707805 A 20050119

Priority
• EP 2005050224 W 20050119
• DE 102004015744 A 20040331

Abstract (en)
[origin: US2007221177A1] A common rail injector having an injector housing having a fuel supply line which communicates with a central high-pressure fuel source outside the injector housing and with a pressure chamber inside the injector housing, from which pressure chamber, as a function of the position of a 3/2-way control valve, fuel subjected to high pressure is injected. The 3/2 way control valve, includes a valve piston, movable back and forth in the injector housing between a position of repose and an injection position, which piston is coupled hydraulically with a piezoelectric actuator that is subjected to the pressure from the high-pressure fuel source.

IPC 8 full level
F02M 63/02 (2006.01); **F02M 47/00** (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 47/00 (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 63/0007** (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02M 63/0045** (2013.01 - EP US); **F02M 2547/006** (2013.01 - EP US)

Citation (search report)
See references of WO 2005095788A1

Cited by
CN102016285A; US8662411B2; WO2009130065A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2007221177 A1 20070927; US 7387110 B2 20080617; AT E390557 T1 20080415; DE 102004015744 A1 20051013; DE 502005003465 D1 20080508; EP 1733139 A1 20061220; EP 1733139 B1 20080326; WO 2005095788 A1 20051013

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