

Title (en)
INJECTOR

Title (de)
INJEKTOR

Title (fr)
INJECTEUR

Publication
EP 2201240 A1 20100630 (DE)

Application
EP 08803438 A 20080901

Priority
• EP 2008061455 W 20080901
• DE 102007044356 A 20070917

Abstract (en)
[origin: WO2009037097A1] The invention relates to an injector for injecting fuel into a combustion chamber of an internal combustion engine, particularly a common rail injector, having an injection valve element (13) that is adjustable between a closed position and an open position releasing the fuel flow, which may be activated by means of a control valve (32) having a sleeve-shaped control valve element (31), wherein the control valve element interacts with a control valve seat (34) that is disposed on a component (14). According to the invention a pressure pin (43) surrounded by the control valve element (31) is provided separately from the component (14), and the control valve seat (32) is configured as an exterior cone.

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0015** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0043** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/0073** (2013.01); **F02M 63/0077** (2013.01); **F02M 63/0078** (2013.01); **F02M 63/008** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)
See references of WO 2009037097A1

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 102007044356 A1 20090319; EP 2201240 A1 20100630; EP 2201240 B1 20121219; WO 2009037097 A1 20090326

DOCDB simple family (application)
DE 102007044356 A 20070917; EP 08803438 A 20080901; EP 2008061455 W 20080901