

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 2235355 A1 20101006 (DE)**

Application  
**EP 08871441 A 20081230**

Priority  
• EP 2008068342 W 20081230  
• DE 102008005523 A 20080123

Abstract (en)  
[origin: WO2009092508A1] The invention relates to an injector (1) for injecting fuel into a combustion chamber of an internal combustion engine, in particular a common rail injector, with an injection valve element (9) which can be adjusted between a closed position and an open position which allows fuel to flow into the combustion chamber depending on the fuel pressure in a control chamber (11) and a control valve (21) provided in the control chamber (11) having a control valve element (22) adjustable relative to a control valve seat (28) provided on an injector component (13) by means of an actuator (31) guided on the outer circumference thereof by means of a guide component (33). According to the invention, the guide component (33) contacts a second centering surface (39) of the injector component (13) with a first centering surface (38).

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 61/168** (2013.01); **F02M 63/007** (2013.01); **F02M 63/008** (2013.01); **F02M 2200/80** (2013.01); **F02M 2200/8076** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)  
See references of WO 2009092508A1

Cited by  
FR3084702A1

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 102008005523 A1 20090730**; CN 101925734 A 20101222; CN 101925734 B 20121205; EP 2235355 A1 20101006; EP 2235355 B1 20130327; JP 2011510222 A 20110331; JP 5193312 B2 20130508; RU 2010134914 A 20120227; RU 2485344 C2 20130620; WO 2009092508 A1 20090730

DOCDB simple family (application)  
**DE 102008005523 A 20080123**; CN 200880125425 A 20081230; EP 08871441 A 20081230; EP 2008068342 W 20081230; JP 2010543410 A 20081230; RU 2010134914 A 20081230