

Title (en)
INJECTOR

Title (de)
INJEKTOR

Title (fr)
INJECTEUR

Publication
EP 2156045 B1 20101124 (DE)

Application
EP 08736615 A 20080429

Priority
• EP 2008055206 W 20080429
• DE 102007022586 A 20070514

Abstract (en)
[origin: WO2008138743A1] The invention relates to an injector (1) for injecting fuel into a combustion chamber of an internal combustion engine, particularly a common rail injector, comprising a control valve (18) having an axially adjustable valve sleeve (17) that is guided on the outer circumference, the control valve being used to release and block the fuel flow through a discharge duct (14) introduced in a valve piece in the direction of a low-pressure region (12) of the injector (1) from a control chamber (5), which is operatively connected to an axially adjustable valve element (2). According to the invention, the valve sleeve (17) is guided on the outer circumference by a guide element (26), the element being formed as a component that is separate from the valve piece (6) and fixed to the valve piece (6).

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/007** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/008** (2013.01)

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

DOCDB simple family (publication)
WO 2008138743 A1 20081120; AT E489551 T1 20101215; CN 101680405 A 20100324; CN 101680405 B 20120321; DE 102007022586 A1 20081127; DE 502008001904 D1 20110105; EP 2156045 A1 20100224; EP 2156045 B1 20101124; RU 2009146123 A 20110620; RU 2469206 C2 20121210

DOCDB simple family (application)
EP 2008055206 W 20080429; AT 08736615 T 20080429; CN 200880015754 A 20080429; DE 102007022586 A 20070514; DE 502008001904 T 20080429; EP 08736615 A 20080429; RU 2009146123 A 20080429