

Title (en)

CONTROL VALVE FOR A FUEL INJECTOR AND FUEL INJECTOR

Title (de)

STEUERVENTIL FÜR EINEN KRAFTSTOFFINJEKTOR SOWIE KRAFTSTOFFINJEKTOR

Title (fr)

SOUPAPE DE COMMANDE POUR INJECTEUR DE CARBURANT, ET INJECTEUR DE CARBURANT

Publication

EP 2171257 B1 20120815 (DE)

Application

EP 08760769 A 20080610

Priority

- EP 2008057209 W 20080610
- DE 102007028485 A 20070621
- DE 102007044355 A 20070917

Abstract (en)

[origin: WO2008155260A1] The invention relates to a control valve (25) for a fuel injector having a control sleeve (24) delimiting a pressure chamber (23) and being movably supported in the longitudinal direction, wherein the control sleeve (24) has a sealing surface (36) at the face thereof, the sleeve using the surface to interact with a control valve seat (27) having an outside truncated cone shape and being configured on a valve body (28). The invention provides that the cone angle of the control valve seat (27) is selected from a value range between 120° and 170°. The invention further relates to a fuel injector.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0077** (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)

DE 102007044355 A1 20081224; CN 101680413 A 20100324; CN 101680413 B 20121010; CN 101688508 A 20100331; CN 101688508 B 20120321; DE 102007044357 A1 20081224; EP 2171257 A1 20100407; EP 2171257 B1 20120815; EP 2171258 A1 20100407; EP 2171258 B1 20141217; JP 2010530492 A 20100909; JP 5345612 B2 20131120; RU 2010101640 A 20110727; RU 2010101642 A 20110727; RU 2468244 C2 20121127; RU 2480616 C2 20130427; WO 2008155260 A1 20081224; WO 2008155275 A1 20081224

DOCDB simple family (application)

DE 102007044355 A 20070917; CN 200880021165 A 20080610; CN 200880021295 A 20080611; DE 102007044357 A 20070917; EP 08760769 A 20080610; EP 08760855 A 20080611; EP 2008057209 W 20080610; EP 2008057304 W 20080611; JP 2010512645 A 20080611; RU 2010101640 A 20080611; RU 2010101642 A 20080610