

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 2084392 A1 20090805 (DE)

Application
EP 07820246 A 20070917

Priority
• EP 2007059772 W 20070917
• DE 102006050812 A 20061027

Abstract (en)
[origin: DE102006050812A1] The injector (1) has a control chamber (2) attached to a high pressure side (5), where a movement of a nozzle needle (3) is controlled by pressure of the control chamber. A control valve (6) either closes or opens a connection of the chamber to a low pressure side (7). The control valve has a force balanced control bushing (12), which is movably guided at an end of a valve bolt (9). The bushing closes an annular groove (10) outwards in its closed valve position, and opens the connection of the groove to the low pressure side in its opened valve position, which is moved towards the chamber.

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/004** (2013.01); **F02M 63/008** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/28** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)
See references of WO 2008049699A1

Designated contracting state (EPC)
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