

Title (en)  
FUEL INJECTOR HAVING A SOLENOID VALVE WITH A SPHERICAL SEAT

Title (de)  
KRAFTSTOFFINJEKTOR MIT MAGNETVENTIL MIT KUGELSITZ

Title (fr)  
INJECTEUR DE CARBURANT AVEC ÉLECTROVANNE À SIÈGE SPHÉRIQUE

Publication  
**EP 2100026 B1 20101222 (DE)**

Application  
**EP 07821236 A 20071012**

Priority  
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• DE 102006057025 A 20061204

Abstract (en)  
[origin: DE102006057025A1] The fuel injector (10) has an injecting valve element (42) operated via pressure discharge of a control chamber (36), which is subjected with a system pressure. The pressure discharge of the control chamber is made by a pressure-compensating magnetic valve (22), whose valve element (62) opens or locks a valve seat (80). The valve element or a piece of valve exhibits a spherical surface (86). The valve element is guided at a pressure pin, and a pressure-compensating area (78) is limited with the valve element.

IPC 8 full level  
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CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/007** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/008** (2013.01); **F02M 45/02** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/28** (2013.01)

Citation (examination)  
WO 2008055724 A1 20080515 - BOSCH GMBH ROBERT [DE], et al

Cited by  
EP2134956A1

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DOCDB simple family (publication)  
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