

Title (en)  
ON-OFF VALVE FOR INJECTORS

Title (de)  
SCHALTVENTIL FÜR INJEKTOREN

Title (fr)  
SOUPAPE DE COMMANDE POUR INJECTEURS

Publication  
**EP 2229527 B1 20130313 (DE)**

Application  
**EP 08859206 A 20081114**

Priority

- EP 2008065591 W 20081114
- DE 102007059265 A 20071210

Abstract (en)  
[origin: WO2009074426A1] The invention relates to an on-off valve for injectors, especially fuel injectors (1), comprising a closing element (31) which allows the pressure in a control chamber (9) for actuating an injection valve member (3) to be relieved. The closing element (31) is controlled by a magnetic actuator encompassing a magnet subassembly (51) and an armature (49). The closing element (31) is connected to a stop element in such a way that the stop element and the closing element (31) enclose a damping chamber (71) that is filled with liquid. The amount of liquid in the damping chamber (71) remains substantially constant when the closing element (31) is moved such that the closing element (31) and the stop element are jointly moved.

IPC 8 full level  
**F02M 47/02** (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 2200/304** (2013.01); **F02M 2547/003** (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 102007059265 A1 20090618**; CN 101896715 A 20101124; CN 101896715 B 20120704; EP 2229527 A1 20100922; EP 2229527 B1 20130313; WO 2009074426 A1 20090618

DOCDB simple family (application)  
**DE 102007059265 A 20071210**; CN 200880120142 A 20081114; EP 08859206 A 20081114; EP 2008065591 W 20081114