

Title (en)  
Valve arrangement

Title (de)  
Ventilanordnung

Title (fr)  
Agencement de soupape

Publication  
**EP 2647826 B1 20160323 (EN)**

Application  
**EP 12163288 A 20120405**

Priority  
EP 12163288 A 20120405

Abstract (en)  
[origin: EP2647826A1] A valve arrangement for use in an injector, the valve arrangement arranged to be moveable between an open configuration in which the valve arrangement provides a flow path for pressurised fuel from a control chamber of the injector to a low pressure drain and a closed configuration in which the valve arrangement closes the flow path, the valve arrangement comprising: a valve guide (106) located within the injector, the valve guide comprising at least a part of the flow path; a valve head portion (104) arranged to close a first end (110) of the valve guide when the valve arrangement is in the closed configuration; a biasing member (120) arranged to bias the valve arrangement towards the closed configuration wherein the biasing member (120) comprises an elastic member located within the valve guide and the biasing member defines a volume (124) within the valve guide.

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

CPC (source: EP)  
**F02M 63/0071** (2013.01); **F02M 63/0073** (2013.01); **F02M 63/0078** (2013.01); **F02M 2200/26** (2013.01)

Cited by  
US11255306B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2647826 A1 20131009; EP 2647826 B1 20160323**; HU E027510 T2 20161028; JP 2013217370 A 20131024; JP 5756488 B2 20150729

DOCDB simple family (application)  
**EP 12163288 A 20120405**; HU E12163288 A 20120405; JP 2013061641 A 20130325