

Title (en)  
CONTROL VALVE ARRANGEMENT

Title (de)  
STEUERVENTILANORDNUNG

Title (fr)  
ENSEMBLE DE SOUPAPE DE COMMANDE

Publication  
**EP 3431747 A1 20190123 (EN)**

Application  
**EP 18188428 A 20160202**

Priority

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- EP 16702423 A 20160202
- EP 2016052118 W 20160202

Abstract (en)  
A control valve assembly is provided with a deflector arranged in a recess, between a magnetic armature and the bottom face of the recess. The deflector is adapted to deflect away from the under face of the armature the flow of fuel entering the recess when the valve is in open position so that, the displacements of the armature-spool assembly are not disturbed by said entering flow.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 63/00** (2006.01)

CPC (source: CN EP)  
**F02M 47/027** (2013.01 - CN EP); **F02M 51/0635** (2013.01 - CN EP); **F02M 51/0653** (2013.01 - CN EP); **F02M 55/002** (2013.01 - CN EP); **F02M 63/0017** (2013.01 - CN EP); **F02M 63/0073** (2013.01 - CN EP); **F02M 2200/26** (2013.01 - CN EP); **F02M 2200/315** (2013.01 - CN EP)

Citation (search report)

- [A] DE 102007047152 A1 20090409 - BOSCH GMBH ROBERT [DE]
- [A] EP 0781913 A2 19970702 - LUCAS IND PLC [GB]
- [A] DE 102011078564 A1 20130110 - BOSCH GMBH ROBERT [DE]
- [A] EP 2058507 A1 20090513 - BOSCH GMBH ROBERT [DE]
- [A] EP 1231378 A2 20020814 - DELPHI TECH INC [US]
- [A] DE 102007001556 A1 20080717 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)  
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