

Title (en)  
CONTROL VALVE ARRANGEMENT

Title (de)  
STEUERVENTILANORDNUNG

Title (fr)  
AGENCEMENT DE VANNE DE COMMANDE

Publication  
**EP 3183450 A1 20170628 (EN)**

Application  
**EP 15729168 A 20150616**

Priority

- GB 201414669 A 20140819
- EP 2015063396 W 20150616

Abstract (en)  
[origin: WO2016026595A1] A control valve arrangement (12) of a fuel injector (10) comprises a bore (18) in which a piston (16) is slidably arranged, the piston piloting injection events and the bore opening in direct and unrestricted fluid communication into a first control chamber (24). The arrangement comprises a further fluid communication path from a high pressure line (20) to a second control chamber (68), the further fluid communication path comprising, for example, a clearance, a channel or a bypass orifice.

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

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0035** (2013.01); **F02M 2547/008** (2013.01)

Citation (search report)  
See references of WO 2016026595A1

Cited by  
WO2020260285A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2016026595 A1 20160225**; CN 106795841 A 20170531; CN 106795841 B 20191112; EP 3183450 A1 20170628; EP 3183450 B1 20180815; GB 201414669 D0 20141001; KR 102293596 B1 20210826; KR 20170041882 A 20170417

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**EP 2015063396 W 20150616**; CN 201580044507 A 20150616; EP 15729168 A 20150616; GB 201414669 A 20140819; KR 20177006756 A 20150616