

Title (en)  
ELECTROMAGNETICALLY ACTUATED METERING CONTROL VALVE, PARTICULARLY FOR CONTROLLING THE FLOW OF A HIGH PRESSURE FUEL PUMP

Title (de)  
ELEKTROMAGNETISCH BETÄTIGTES MENGENSTEUERVENTIL, INSBESONDERE ZUR STEUERUNG DER FÖRDERMENGE EINER KRAFTSTOFF-HOCHDRUCKPUMPE

Title (fr)  
VANNE DE CONTROLE DU DEBIT DE COMMANDE ELECTRIQUE, DESTINEE EN PARTICULIER A COMMANDER LE DEBIT D'UNE POMPE HAUTE PRESSION A CARBURANT

Publication  
**EP 2519732 A1 20121107 (DE)**

Application  
**EP 10778969 A 20101104**

Priority

- DE 102009055356 A 20091229
- EP 2010066797 W 20101104

Abstract (en)  
[origin: WO2011079989A1] The invention relates to an electromagnetically actuatable volume control valve, in particular for controlling the delivery volume of a high-pressure fuel pump. The volume control valve comprises a movement chamber (28), which can be filled with a fluid (30), a moving part (22) of an electromagnetic actuating device arranged in said chamber, and a stop (26). When the moving part (22) rests against the stop (26), a contact area is present between the moving part (22) and the stop (26). The contact area is defined by a surface of the moving part (22) and a surface of the stop (26). The contact area is smaller than the total area of the moving part (22) or the stop (26).

IPC 8 full level  
**F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR)  
**F02M 59/366** (2013.01 - EP KR); **F02M 59/466** (2013.01 - EP KR); **F02M 63/0017** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2011079989A1

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)  
**WO 2011079989 A1 20110707**; CN 102686868 A 20120919; CN 102686868 B 20150617; DE 102009055356 A1 20110630; EP 2519732 A1 20121107; EP 2519732 B1 20181010; ES 2704993 T3 20190321; KR 101506475 B1 20150327; KR 101736081 B1 20170516; KR 20120096934 A 20120831; KR 20140140131 A 20141208

DOCDB simple family (application)  
**EP 2010066797 W 20101104**; CN 201080059939 A 20101104; DE 102009055356 A 20091229; EP 10778969 A 20101104; ES 10778969 T 20101104; KR 20127016448 A 20101104; KR 20147032072 A 20101104