

Title (en)  
FLOW SWITCH

Title (de)  
STRÖMUNGSSCHALTER

Title (fr)  
COMMUTATEUR DE FLUX

Publication  
**EP 2810292 B1 20151125 (DE)**

Application  
**EP 12702812 A 20120201**

Priority  
EP 2012051706 W 20120201

Abstract (en)  
[origin: WO2013113385A1] The invention relates to a flow switch (10) comprising a flow channel (34) which has a liquid inlet (20) and a liquid outlet (28), through which a liquid can flow, and in which a permanently-magnetised switching body (54) is arranged that is able to be displaced, by the liquid, as a function of the flow, said switch also comprising a switching element (58) that can be magnetically actuated depending on the position of said switching body. In order to improve the flow switch (10) such that it is less sensitive to dirt particles carried along by the liquid, the invention suggests that an inner pipe (36) surrounded by an annular space (38) is arranged in the flow channel (34), receives said displaceable switching body (54), and has an inflow opening (42) fluidically connected to the liquid inlet (20), as well as at least one first and at least one second outflow opening (48, 50, 51), wherein said at least one second outflow opening (50, 51) is axially offset to the at least one first outflow opening (48) and said outflow openings open into the annular space (38). The annular space (38) is fluidically connected to the liquid outlet (28).

IPC 8 full level  
**H01H 35/40** (2006.01)

CPC (source: EP)  
**H01H 35/405** (2013.01)

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 2013113385 A1 20130808**; CN 104040667 A 20140910; CN 104040667 B 20160921; DK 2810292 T3 20160229; EP 2810292 A1 20141210; EP 2810292 B1 20151125

DOCDB simple family (application)  
**EP 2012051706 W 20120201**; CN 201280067141 A 20120201; DK 12702812 T 20120201; EP 12702812 A 20120201