

Title (en)  
FLUID REGULATOR

Title (de)  
FLUIDREGLER

Title (fr)  
REGULATEUR DE DEBIT

Publication  
**EP 1996844 A4 20130403 (EN)**

Application  
**EP 07716061 A 20070315**

Priority  
• SE 2007000247 W 20070315  
• SE 0600639 A 20060317

Abstract (en)  
[origin: WO2007108739A1] Flow regulator (10) for regulating a flow of a liquid, which comprises a controller (40), said liquid flow being controllable by an adjustable percentage opening of the controller (40), wherein an increased percentage opening implies an increased liquid flow, and an actuator (50) which in a given position is arranged to control only the flow of said liquid, in communication with said controller (40), said actuator (50) being arranged to adjust the percentage opening of said controller (40) within a first range (AB) of possible positions for the actuator (50), which is at one end delimited by a first stop position (B), wherein a first percentage opening is obtained at the first stop position (B), wherein the first percentage opening is the largest percentage opening within said first range (AB), wherein said actuator (50) is conductible past said first stop position (B), when an obstacle (90) of said flow regulator (10) has been forced by a user of said flow regulator (10), to a second range (BC), which is delimited by said first stop position (B) and a second stop position (C), wherein the percentage opening in said controller (40) is arranged to reach a second percentage opening at said second stop position (C), wherein said second percentage opening is greater than said first percentage opening.

IPC 8 full level  
**F16K 11/044** (2006.01); **F16K 31/50** (2006.01); **G05D 23/13** (2006.01)

CPC (source: EP SE)  
**F16K 11/0445** (2013.01 - SE); **F16K 31/44** (2013.01 - EP); **F16K 31/504** (2013.01 - SE); **F16K 35/04** (2013.01 - EP); **G05D 23/132** (2013.01 - SE)

Citation (search report)  
• [X] US 2912881 A 19591117 - IMHOFF ROBERT E  
• [X] US 2590550 A 19520325 - LAMAR CHARLES C  
• [X] EP 1055781 A2 20001129 - BOEHM HANS GEORG [DE]  
• [X] US 4089347 A 19780516 - CHRISTO CHRIST  
• See also references of WO 2007108739A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007108739 A1 20070927**; AU 2007227796 A1 20070927; AU 2007227796 B2 20120816; EP 1996844 A1 20081203; EP 1996844 A4 20130403; SE 0600639 L 20070918; SE 529727 C2 20071106

DOCDB simple family (application)  
**SE 2007000247 W 20070315**; AU 2007227796 A 20070315; EP 07716061 A 20070315; SE 0600639 A 20060317