

Title (en)  
Flow rate controller

Title (de)  
Strömungsmengenregler

Title (fr)  
Régulateur de débit

Publication  
**EP 1318358 A3 20050608 (DE)**

Application  
**EP 02026211 A 20021126**

Priority  
• DE 20119695 U 20011204  
• DE 10204389 A 20020204

Abstract (en)  
[origin: EP1318358A2] A housing contains a flap mounted on an angled axle, with one arm, in an open position, pointing backwards in a flow direction parallel with the pipe's axis. The other arm, in a closed position, is at right angles to the pipe's axis. A spring element (44) attached to a bar penetrating the housing wall grips a lever-arm fixed to the flap. The bar is adjustable outside the housing. The spring element consists of juxtaposed helical springs (42,43) with differing characteristics. The path of the helical spring with a flatter characteristic is restricted by a stop-piece (48). A tie rod (45) goes through the helical spring and coupling.

IPC 1-7  
**F24F 11/04**; **F24F 13/14**

IPC 8 full level  
**F24F 13/14** (2006.01)

CPC (source: EP)  
**F24F 13/1426** (2013.01); **F24F 2013/146** (2013.01)

Citation (search report)  
• [YD] DE 2758352 A1 19790705 - SIEGWART EMIL  
• [Y] US 3955595 A 19760511 - MODES EDWARD E  
• [AD] DE 2618037 A1 19771110 - SIEGWART EMIL  
• [A] EP 0627601 A1 19941207 - THURGOOD PAUL [GB]  
• [A] WO 9830086 A1 19980716 - SKOV AS [DK], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1318358 A2 20030611**; **EP 1318358 A3 20050608**; **EP 1318358 B1 20100317**

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