

Title (en)  
ADJUSTABLE VOLUME FLOW REGULATOR

Title (de)  
EINSTELLBARER VOLUMENSTROMREGLER

Title (fr)  
RÉGULATEUR D'ÉCOULEMENT À VOLUME RÉGLABLE

Publication  
**EP 3564597 A1 20191106 (EN)**

Application  
**EP 19171488 A 20190429**

Priority  
SK 500412018 U 20180430

Abstract (en)

Adjusting elements (4) of the regulator with multiple valves (1) are mutually coupled, preferably they are coupled by the mechanical draw rod (12) with a lock (14). The axes of the valves (1) are placed in a single plane which is perpendicular to the direction of the fluid's flow. The regulation spaces of individual valves (1) are separated by the partition (8) which is placed between the neighboring valves (1). In the preferable arrangement the valves (1) and the adjusting mechanisms (16) of all valves (1) are the same. The valve (1) of the regulator has the adjusting mechanism (16) which includes a valve's (1) lever (2), a spring (3), a damper (5) and the adjusting element (4) for the change of the spring's (3) prestress. The spring (3) connected with the adjusting element (4) acts upon the valve's (1) lever (2). The arm (7) of the damper (5) has a curved groove (9). The groove's (9) shape is comprised of two continuous sections, where the first section of the groove (9) is led by straight line, while the second section is curved.

IPC 8 full level

**F24F 13/14** (2006.01)

CPC (source: EP)

**F24F 13/1413** (2013.01); **F24F 13/1426** (2013.01); **F24F 2013/146** (2013.01); **F24F 2013/1473** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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