

Title (en)

ADJUSTABLE VOLUME FLOW REGULATOR, FOR AIR FLOW IN AIR DISTRIBUTION DEVICES

Title (de)

EINSTELLBARER VOLUMENSTROMREGLER, INSBESONDERE FÜR EINEN LUFTSTROM IN LUFTVERTEILUNGSVORRICHTUNGEN

Title (fr)

RÉGULATEUR D'ÉCOULEMENT À VOLUME RÉGLABLE, POUR ÉCOULEMENT D'AIR DANS DES DISPOSITIFS DE DISTRIBUTION D'AIR

Publication

EP 3244134 A1 20171115 (EN)

Application

EP 17170939 A 20170512

Priority

SK 500632016 U 20160513

Abstract (en)

Regulator has a channel for flow of the fluid where the throttle (1) is tiltably placed. The adjustment mechanism of the throttle (1) has a lever (2) in the axis of the valve (1); the spring (3) with the adjustable prestress in the direction of the torque force arising on the throttle (1) during the flow of the fluid in the channel acts upon the lever (2). The mechanism has a damper (5) with the arm (7) which is connected to the lever (2) of the throttle. The damper (5) is placed on the slidably placed holder (6) which achieves the varying position of the damper (5) against the axis of the throttle (1); the varying position of the holder (6) corresponds to varying gear ratio of the rotation between the lever (2) and the damper (5). It is preferable if the adjustment element (4) is connected to the holder (6) by a gear for coupling of the position of the adjustment element (4) with the position of the holder (6). In order to increase the precision of the regulator it is preferable if it has a plate (13) which is placed just behind the shaft of the throttle (1) and the direction of the flow of the fluid, and if the throttle (1) is balanced with the lever (2).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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