

Title (en)  
FLUID FLOW CONTROL DEVICE

Title (de)  
FLUIDSTROMREGELVORRICHTUNG

Title (fr)  
DISPOSITIF DE RÉGULATION D'ÉCOULEMENT DE FLUIDE

Publication  
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Application  
**EP 16745098 A 20160727**

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Abstract (en)  
[origin: WO2017021243A1] The invention relates to a fluid flow control device (2), in particular a gas flow control valve, having the following: a body (26) with an inlet (23), an outlet (24), and a channel (5) which lies between the inlet and the outlet and through which a fluid flow can be conducted; and a valve unit (8) comprising a control body (3) and a valve seat ring (25) which is coupled to the body (26) and defines a passage that forms a sub-section of the channel (5). The control body (3) engages into the passage and can be moved along an axis (6) between an open position and a closed position in order to control the fluid flow in the passage. According to the invention, the seal system is modified so as to be simpler to assemble and ensure a damage-free operation. For this purpose, a seal system is proposed which is characterized in that the valve unit (8) is designed in at least two parts, wherein a seal element (17) is arranged between the parts (3, 18, 25) of the valve unit (8), and the valve seat ring (25) has a sealing surface (12). The seal element (17) is arranged so as to be movable against the sealing surface (12), which is arranged substantially perpendicular to the axis (6).

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Cited by  
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