

Title (en)

A ventilation device

Title (de)

Belüftungsvorrichtung

Title (fr)

Dispositif de ventilation

Publication

EP 2339259 B1 20130605 (EN)

Application

EP 11152932 A 20071016

Previously filed application

07075890 20071016 EP

Priority

- EP 11152932 A 20071016
- EP 07075890 A 20071016

Abstract (en)

[origin: EP2051020A1] A device is described for controlling the airflow through an airduct, the airduct having a housing, an inlet and an outlet. The device comprises a self-regulating valve having a diaphragm, the position of the diaphragm being determined by the difference between the pressure at the inlet and the pressure at the outlet. The diaphragm is rotatably suspended on a support so that, under influence of an increasing difference in pressure, the diaphragm can rotate between a minimum rotation angle and a maximum rotation angle over an intermediate rotation angle, the intermediate angle being situated between the minimum and maximum angle. The diaphragm is provided with a counterbalance and that, within the angle range between the intermediate rotation angle and the maximum rotation angle, the rotation movement of the diaphragm under influence of an increasing pressure difference is counteracted by an elastic resisting force.

IPC 8 full level

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