

Title (en)
Device for adjusting and dampening air flow

Title (de)
Vorrichtung zur Regelung und Dämpfung eines Luftstroms

Title (fr)
Dispositif de réglage et amortissement du débit de l'air

Publication
EP 1571403 B1 20140122 (EN)

Application
EP 05101282 A 20050221

Priority
FI 20040333 A 20040302

Abstract (en)
[origin: EP1571403A2] The invention relates to a device for adjusting and dampening air flow, to be fitted in connection with the air duct of an air ventilation system. According to the invention, said adjusting damper (1) comprises: an elongate housing element (2) made of porous, sound-absorbing and flexible material, having a transversal area that is essentially constant, but smaller than the transversal area of the air duct, which housing element (2) is provided with at least one aperture (3) that is arranged to pass through the housing element (2), transversally against the lengthwise direction (A - A) of the housing element, and a restrictor element (4) having a length that is larger than the width of the housing element (2) in the direction of the aperture (3); said device (1) can be arranged in the air duct (5), in which case the restrictor element (4) is placed in the aperture (3), so that it extends to outside the housing element, and the housing element (2) with its restrictor element can be arranged in the lengthwise direction (A - A) in the air duct (5), so that it leaves the air duct partly open outside the restrictor element and the housing element, in which case the flow resistance of the air flow in the air duct grows owing to the device.

IPC 8 full level
F24F 13/08 (2006.01); **F24F 13/10** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)
F24F 13/10 (2013.01); **F24F 13/24** (2013.01)

Cited by
CN111442149A; WO2007059582A1

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

DOCDB simple family (publication)
EP 1571403 A2 20050907; EP 1571403 A3 20100714; EP 1571403 B1 20140122; DK 1571403 T3 20140210; FI 117648 B 20061229; FI 20040333 A0 20040302; FI 20040333 A 20050903; NO 20051090 D0 20050301; NO 20051090 L 20050905; NO 324514 B1 20071105

DOCDB simple family (application)
EP 05101282 A 20050221; DK 05101282 T 20050221; FI 20040333 A 20040302; NO 20051090 A 20050301