

Title (en)

Mechanism for detachably mounting an air diffuser to an air duct

Title (de)

Mechanismus zur lösbaren Montage eines Luftstromverteilers an das eines Belüftungskanals

Title (fr)

Mécanisme pour le montage amovible d'un diffuseur d'air sur une conduite d'air

Publication

EP 1312872 A3 20061122 (EN)

Application

EP 02079416 A 20021023

Priority

FI 20012211 A 20011114

Abstract (en)

[origin: EP1312872A2] A mechanism is provided for mounting an air diffuser to the interior wall of an air duct (10), the diffuser comprising a body part (1) with a shaft (2) adjustable relative to the body part in the air flow direction and having a control disc (3) affixed to the distal end of the shaft, whereby the spacing (11) between the diffuser body part and the control disc forms an adjustable air flow gap. The invention is implemented so that the shaft (2) of the control disc (3) at the end portion of the diffuser inserted in the air duct (10) is connected to the diffuser body part (1) by means of a springed element (7) having a shape flexibly yielding in the direction of the control disc shaft (7) such that the springed element (7) extends partially outside said diffuser body part in at least two substantially opposite points relative to the shaft (2), whereby an imaginary circle drawn about the distal ends (8) of the springed element (7) has a larger diameter than the outer diameter of the diffuser body part (1) at the perimeter of the diffuser portion to be inserted in the air duct (10) and that the diameter of said imaginary circle can be reduced by pressing the diffuser control disc (3) in the direction of the shaft (2) inward relative to the diffuser body part (1) toward the interior of the air duct (10).

IPC 8 full level

F24F 13/06 (2006.01); **F24F 13/08** (2006.01)

CPC (source: EP)

F24F 13/06 (2013.01); **F24F 13/084** (2013.01)

Citation (search report)

- [DA] WO 0077455 A1 20001221 - FLAECT OY [FI], et al
- [DA] FI 59299 B 19810331 - OSTON LTD [CA]
- [A] WO 0055547 A1 20000921 - EUROPLAST SPA [IT]
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 095 (M - 209) 21 April 1983 (1983-04-21)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22 9 March 2001 (2001-03-09)

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