

Title (en)
Air opening device for room ventilation

Title (de)
Luftauslassvorrichtung zur Raumbelüftung

Title (fr)
Dispositif de sortie d'air pour la ventilation d'un local

Publication
EP 0911589 A3 20000524 (EN)

Application
EP 98203455 A 19981017

Priority
IT PN970055 A 19971020

Abstract (en)
[origin: EP0911589A2] Air opening device for room ventilation with a louver and/or multifunctional louvers made of plastic material. The air opening device comprises a first air opening (A) having baffles (15) to control the direction of the airflow and , if required , a second air opening (B) connectable thereto and provided with slats (8) which are laterally connected to toothed wheels (7) made of molded plastic material. The toothed wheels are so reciprocally connected that the deflection applied to a slat (8) is transmitted to the others (8) and changes the airflow rate. The casing of the first air opening (A) is formed by an "L" shaped element (1). Magnets (M) are applicable to the external part (11) of the "L" shaped element (1) , which is forming the frame for the application to the wall, to produce magnetic attraction on the rim (91) of the metallic conduit (9) and to allow the removable fixing of the casing. The casings of the air openings (A-B) and their baffles and slats (15 and 8) are formed by extruded pieces of plastic material which can be cut into different lengths thus allowing to obtain air opening devices (A-B) having different dimensions. <IMAGE>

IPC 1-7
F24F 13/075

IPC 8 full level
F24F 13/075 (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 13/075 (2013.01)

Citation (search report)
• [A] US 4815364 A 19890328 - WAGNER ROBERT K [US], et al
• [A] US 3786738 A 19740122 - FAHRE T
• [A] GB 1156132 A 19690625 - WATERLOO GRILLE COMPANY GREAT
• [A] US 4962882 A 19901016 - SARAZEN JR PAUL M [US], et al
• [A] US 3726205 A 19730410 - MILLER A
• [A] US 5292282 A 19940308 - CALLAS MIKE T [US]

Cited by
ES2278548A1; RU184747U1

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