

Title (en)
Heating, ventilating and air conditioning systems

Title (de)
Klimaanlage

Title (fr)
Chauffage, ventilation et systèmes de conditionnement d'air

Publication
EP 0872694 A3 20001102 (EN)

Application
EP 98106736 A 19980414

Priority
GB 9707537 A 19970414

Abstract (en)
[origin: EP0872694A2] A heating ventilating and air conditioning system comprises a diffuser which serves when mounted adjacent the outlet of the system in a first orientation to diffuse air in a generally horizontal direction and, when mounted in an inverted orientation, to diffuse air in a substantially vertical direction. The diffuser takes the form of a disc-like element which is mounted within an opening (2) defined in a mounting frame (3), co-operating means being provided for releasably retaining the diffuser in position within the opening. The diffuser is located within the opening with minimum clearance and the releasable retaining means serve to prevent undesired removal of the diffuser by hand without the use of a special tool. The system includes first and second components defining a plurality of similarly sized apertures with the components being mounted adjacent each other and movable to provide differing degrees of alignment between the apertures in order to control a flow of air through the components. Means are provided for releasably fixing the positions of the first and second components relative to each other to set a desired airflow rate, said means permitting the removal of one of the components and being such that the removed component can only be replaced in the same position, relative to the other component, as that from which it was removed thereby ensuring that the desired airflow rate is maintained. The system includes a plenum chamber (7) which is connected to a further component of the system by way of a substantially air-tight snap fitting connection. <IMAGE>

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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)
• [A] US 3736858 A 19730605 - MERCIER J
• [DA] EP 0446557 A2 19910918 - HESCO PILGERSTEG AG [CH]
• [A] US 3364841 A 19680123 - YOICHI UCHIYAMA
• [A] GB 682148 A 19521105 - ENKOEPINGS VERKST ER AB
• [A] DE 4405867 C1 19950622 - KRANTZ TKT GMBH [DE]

Cited by
EP1688557A1; WO0239026A1; US7000688B2; US6715538B2

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