

Title (en)
AIR DISTRIBUTER

Publication
EP 0268993 A3 19890322 (DE)

Application
EP 87117042 A 19871119

Priority
SE 8605147 A 19861128

Abstract (en)
[origin: EP0268993A2] Air distributor (10) for ceiling installation, having a body (12) which has an outwardly projecting, downwardly sloping distributor ring (14), which is borne by a connecting piece (15) of substantial length protruding from the ceiling, as well as having a distributor disc (18) which, together with the distributor ring, forms an outwardly tapering outlet gap (68) for a ventilation airstream (78). The distributor disc (18) has a concave outer side and a correspondingly convex inner side, facing the outlet gap (68), and is suspended on a concentric shroud (20), which shields off about half the circumference of the outlet gap. The ventilation airstream (78) sucks in from the shroud side a surrounding airstream (80) between ceiling and ventilation airstream. The surrounding airstream (80) forms a buffer between ventilation airstream and ceiling and allows a greater flow range, a better mixing of the ventilation air with the surrounding air and a lower air conversion requirement (Fig. 5). <IMAGE>

IPC 1-7
F24F 13/06

IPC 8 full level
F24F 13/06 (2006.01)

CPC (source: EP)
F24F 13/06 (2013.01)

Citation (search report)
• [A] DE 2654131 A1 19780601 - SVENSKA FLAECTFABRIKEN AB
• [A] US 2477619 A 19490802 - KENNEDY WALTER W

Cited by
EP0595756A1; WO9610721A1

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EP 0268993 A2 19880601; EP 0268993 A3 19890322; DK 165854 B 19930125; DK 165854 C 19930621; DK 624187 A 19880529; DK 624187 D0 19871127; FI 84097 B 19910628; FI 84097 C 19911010; FI 875242 A0 19871127; FI 875242 A 19880529; NO 164125 B 19900521; NO 164125 C 19900829; NO 874917 D0 19871126; NO 874917 L 19880530; SE 457563 B 19890109; SE 8605147 D0 19861128; SE 8605147 L 19880529

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