

Title (en)

A METHOD OF AND AN AIR DISTRIBUTION MEANS FOR INTRODUCING SUPPLY AIR INTO A ROOM SPACE

Publication

**EP 0276810 A3 19890315 (EN)**

Application

**EP 88101101 A 19880126**

Priority

FI 870345 A 19870127

Abstract (en)

[origin: EP0276810A2] A method of introducing supply air into a lower portion of a room space (3) directly to an occupied zone (7) by means of at least one elongated air distribution means (1) provided with a plurality of outflow openings (2) for supply air. In order to blow supply air into the occupied zone without draught and without drawing impurities from the upper portion of the room space, supply air is blown from the air distribution means at a high speed but through outflow openings so small that the speed of the air jets (A) from the openings is reduced essentially over a short distance (X) and the entrance of secondary air (B) from the room space into the air jets is prevented in the vertical direction of the room space over said distance (X) and at least at one end of the air distribution means. The air distribution means (1) is provided with a plurality of small outflow openings (2) the distance of which from each other in the longitudinal direction of the air distribution means is great as compared with the size of the outflow opening for enabling secondary air to flow from the room space in between the outflow openings, and to mix with the air jets from all sides.

IPC 1-7

**F24F 13/068**

IPC 8 full level

**F24F 13/068** (2006.01); **F24F 13/26** (2006.01)

CPC (source: EP)

**F24F 13/068** (2013.01); **F24F 13/26** (2013.01)

Citation (search report)

- [A] DE 3301570 A1 19840719 - SCHAKO METALLWARENFABRIK [DE]
- [A] DE 8522094 U1 19851212

Cited by

CN112628870A; WO0161253A1; WO9941507A1; WO9849499A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0276810 A2 19880803**; **EP 0276810 A3 19890315**; **EP 0276810 B1 19920708**; AT E78087 T1 19920715; DE 3872532 D1 19920813; DE 3872532 T2 19930218; DK 164374 B 19920615; DK 164374 C 19921109; DK 34988 A 19880728; DK 34988 D0 19880126; FI 79608 B 19890929; FI 79608 C 19900110; FI 870345 A0 19870127; FI 870345 A 19880728; NO 165464 B 19901105; NO 165464 C 19910213; NO 880341 D0 19880126; NO 880341 L 19880728

DOCDB simple family (application)

**EP 88101101 A 19880126**; AT 88101101 T 19880126; DE 3872532 T 19880126; DK 34988 A 19880126; FI 870345 A 19870127; NO 880341 A 19880126