

Title (en)

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

Publication

EP 0276810 B1 19920708 (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.

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