

Title (en)
BOTTOM OUTLET FOR AIR INDUCTION

Publication
EP 0415139 B1 19930505 (DE)

Application
EP 90115222 A 19900808

Priority
DE 3928621 A 19890830

Abstract (en)
[origin: JPH0399158A] PURPOSE: To increase horizontal invasion depth of an air stream, by providing a collar where a cylindrical cock is expanded outwardly in a circular arc shape, permitting a truncated pyramid insertion structure having a diameter reduced downwardly to form an annular chamber between the structure and the cock, narrowing the annular chamber with a flange of the insertion structure, and closing an outlet of the insertion structure with a baffleplate. CONSTITUTION: A cylindrical cock 1 of a floor air outlet mechanism is inserted into a floor opening 2, and a collar 3 expanded upward in a circular arc shape is moved to a flange 4 and is supported on an edge surface of the floor opening 2. Supply air enters the outlet mechanism from a through-hole 6 in a bottom portion 5. An insertion structure 7 having a diameter reduced from upper to lower portion like a hopper is disposed, and an inner surface of the cock 1 and an outer surface of the insertion structure 7 form an annular chamber 9, and its cross section is reduced with a flange 8. The insertion structure 7 is fixed to the interior of the cock 1 with the aid of a web 10, and the insertion structure 7 includes a porous plate 11 in a flat surface of the flanges 4, 8, and further a baffleplate 12 is disposed. Thus, a proper air stream is ensured.

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F24F 13/06

IPC 8 full level
F24F 13/068 (2006.01); **F24F 13/06** (2006.01)

CPC (source: EP US)
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Cited by
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