

Title (en)

Induction apparatus for air distribution system.

Title (de)

Einlassvorrichtung für eine Luftverteilungsanlage.

Title (fr)

Installation d'admission pour un système de diffusion d'air.

Publication

EP 0326950 A2 19890809 (EN)

Application

EP 89101377 A 19890127

Priority

US 14957788 A 19880128

Abstract (en)

An induction apparatus (10) for an air distribution system. A nozzle (12) is coupled with a primary air supply duct (18) downstream of a variable volume terminal unit to increase the velocity of air discharged from the duct (18). The increased primary air velocity induces secondary air into the primary air stream. The secondary air is supplied by a ceiling plenum which may be in communication with the conditioned area. A mixing chamber (14) is positioned downstream of the nozzle (26) and is sized for allowing mixing of the induce secondary return air with the primary air stream. A diffuser (20) coupled with the downstream end of the mixing chamber (14) distributes the mixed air into the conditioned space.

IPC 1-7

F24F 13/00; **F24F 13/04**

IPC 8 full level

F24F 13/04 (2006.01); **F24F 13/26** (2006.01)

CPC (source: EP)

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Cited by

US5634964A; EP0813672A4; EP1867568A3; GB2244804A; GB2244804B; US6971607B2; US6921047B2; WO2005030582A1; WO9625329A1; JP2007505788A

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