

Title (en)
A low-velocity supply air terminal device

Title (de)
Zuluftauslass mit niedriger Geschwindigkeit

Title (fr)
Dispositif d'alimentation en air à faible vitesse

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Application
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SE 9801860 A 19980527

Abstract (en)
[origin: EP0961088A2] A low-velocity supply air terminal device (10) intended for use in rooms that require an air supply comprises an inlet (11) which can be connected to an external supply air duct, an air distributing unit (18) for distributing exiting supply air to said room, and an inner space (14) which is open to the inlet (11) and extends in the longitudinal direction of the device (10) from the inlet (11) to its bottom (16), for transporting and distributing air to the air distributing unit (18). The space (14) is delimited laterally by an inner air permeable wall (19) of the air distribution unit (18) and, when applicable, also by the outer wall (12) of the device. The device (10) also includes a perforated plate (15) for throttling the flow of supply air. The perforated plate (15) is intended to favour distribution of the supply air vertically and uniformly to the air distribution unit (18) arranged in the form of a distribution plate in the inner space (14) at a distance of at least 50 mm and at most 300 mm from the inlet (11), therewith delimiting an upper part (14A) of the inner space from a lower part (14B) thereof. The invention also relates to a method of measuring the airflow in a low-velocity supply air terminal device at a distance of between 50 mm and 300 mm from the air inlet of said device with the aid of a measuring nipple provided in the perforated plate. <IMAGE>

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