

Title (en)

Air nozzle for use in production of nonwoven fabric.

Title (de)

Luftdüse zur Verwendung in der Herstellung von Vliesstoffen.

Title (fr)

Buse pneumatique à utiliser dans la production d'étoffe non tissée.

Publication

**EP 0329294 A2 19890823 (EN)**

Application

**EP 89300754 A 19890126**

Priority

JP 3241888 A 19880215

Abstract (en)

An air nozzle for use in the production of nonwoven fabric that is adapted to receive spun filaments from a spinning nozzle and feed the filaments in an air jet onto a receiver. The air nozzle is directed to the prevention of any abrasion of the inner surface of the nozzle body by an additive, such as titanium white, contained in filaments, and thus to the prevention of any defects in the nonwoven fabric. The inner surface of a nozzle body for guiding filaments is formed using a ceramic material to protect that surface. The nozzle body (15) has a conical passage (21) whose diameter gradually decreases from an inlet (19) for receiving the filaments from the spinning nozzle, and a straight passage (23) continuing from the conical passage and extending with a constant diameter, at least part of the inner surface of the conical passage and/or the straight passage being formed as a ceramic surface.

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**D04H 3/03**

IPC 8 full level

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