

Title (en)  
AIR JET SPINNING DEVICE

Title (de)  
LUFTDÜSENSPINNVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILAGE A BUSE D'AIR

Publication  
**EP 1563130 B1 20080716 (DE)**

Application  
**EP 03750686 A 20031004**

Priority  
• DE 10256344 A 20021122  
• EP 0310994 W 20031004

Abstract (en)  
[origin: WO2004048655A1] An air jet spinning device for producing a spun thread (4) contains a turbulence chamber (3) through which a staple fiber assembly passes. At least one compressed air channel (6) opens into said turbulence chamber and is provided in the form of a jet slot (15), which is placed in a jet body and lies in a plane that is radial to the running direction of the staple fiber assembly. The jet slot (15) is completed by a face of a covering (17) in order to form said compressed air channel (6). In immediate contact with the opening (7), the covering comprises a slanted air deflecting surface (21), which is sloped in the running direction of the staple fiber assembly and which is preferably provided in the form of a conical annular surface.

IPC 8 full level  
**D01H 4/02** (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)  
**D01H 1/115** (2013.01); **D01H 4/02** (2013.01)

Designated contracting state (EPC)  
CH CZ DE LI

DOCDB simple family (publication)  
**WO 2004048655 A1 20040610**; AU 2003268916 A1 20040618; CN 1714180 A 20051228; DE 10256344 A1 20040603; DE 50310171 D1 20080828; EP 1563130 A1 20050817; EP 1563130 B1 20080716; JP 2006507418 A 20060302

DOCDB simple family (application)  
**EP 0310994 W 20031004**; AU 2003268916 A 20031004; CN 200380103719 A 20031004; DE 10256344 A 20021122; DE 50310171 T 20031004; EP 03750686 A 20031004; JP 2004554274 A 20031004