

Title (en)  
AIR JET SPINNING FRAME

Title (de)  
LUFTDÜSENSPINNVORRICHTUNG

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

Publication  
**EP 1802791 A1 20070704 (DE)**

Application  
**EP 05795954 A 20051018**

Priority  
• EP 2005011192 W 20051018  
• DE 102004052206 A 20041019

Abstract (en)  
[origin: WO2006042738A1] An air jet spinning frame contains a substantially hollow cylindrical turbulence chamber whose circumferential wall forms in the staple sliver entry region a support surface for a circumferential surface of a rotationally symmetrical insert. A plurality of air slots are formed in the circumferential surface of the insert and form closed pressurised air ducts when completed by the support surface. The nozzle-like openings of the pressurised air ducts are arranged in the front side of the insert which faces the turbulence chamber. According to the invention, the air slots are arranged in the form of a multiplex thread.

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

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

Citation (search report)  
See references of WO 2006042738A1

Designated contracting state (EPC)  
CH CZ DE IT LI TR

DOCDB simple family (publication)  
**DE 102004052206 A1 20060420**; CN 101374982 A 20090225; EP 1802791 A1 20070704; JP 2008517169 A 20080522; US 2008115476 A1 20080522; WO 2006042738 A1 20060427

DOCDB simple family (application)  
**DE 102004052206 A 20041019**; CN 200580035730 A 20051018; EP 05795954 A 20051018; EP 2005011192 W 20051018; JP 2007536119 A 20051018; US 66567605 A 20051018