

Title (en)
AIR JET SPINNING DEVICE

Title (de)
LUFTDÜSENSPINNVORRICHTUNG

Title (fr)
DISPOSITIF DE FILATURE A JET D'AIR

Publication
EP 1786961 A1 20070523 (DE)

Application
EP 05783913 A 20050907

Priority
• EP 2005009577 W 20050907
• DE 102004044345 A 20040909

Abstract (en)
[origin: WO2006027216A1] The invention relates to an air jet spinning device, comprising a fibre introduction channel (8) opening into a swirl chamber (9) and a fibre withdrawal channel (10) exiting from the swirl chamber (9). Said withdrawal channel is arranged in a spindle-shaped component (13), which may be moved away from the fibre introduction channel (8) by means of an adjuster device. A cleaning channel (23), which may be connected to a compressed air source (E) and directed against the spindle-shaped component (13), is provided for cleaning the region of the inlet opening of the fibre withdrawal channel (10). The above opens in an annular channel (24) enclosing the spindle-shaped component. A first outlet opening (25) from said annular channel is embodied such as to form an annular opening, enclosing the spindle shape component (13) when moved away from the fibre introduction channel (8) and is directed against the fibre introduction channel (8). A second outlet opening (26) from the annular channel opens into the thread withdrawal channel (10) via an intermediate channel (27) and is directed against the inlet opening (15) thereof. In case of maintenance the region of the inlet opening (15) can thus be cleaned from the inside and the outside.

IPC 8 full level
D01H 4/02 (2006.01); **D01H 4/48** (2006.01)

CPC (source: EP US)
D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - EP US); **D01H 15/002** (2013.01 - EP US)

Citation (search report)
See references of WO 2006027216A1

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

DOCDB simple family (publication)
DE 102004044345 A1 20060316; CN 101014732 A 20070808; EP 1786961 A1 20070523; JP 2008512576 A 20080424; US 2008190089 A1 20080814; WO 2006027216 A1 20060316

DOCDB simple family (application)
DE 102004044345 A 20040909; CN 200580030388 A 20050907; EP 05783913 A 20050907; EP 2005009577 W 20050907; JP 2007530639 A 20050907; US 66222405 A 20050907