Title (en)

FIBER GUIDE CHANNEL FOR AN OPEN-END SPINNING DEVICE AND METHOD FOR PRODUCING A FIBER GUIDE CHANNEL

Title (de)

FASERLEITKANAL FÜR EINE OFFENEND-SPINNVORRICHTUNG SOWIE VERFAHREN ZUM HERSTELLEN EINES FASERLEITKANALS

Title (fr)

CANAL DE GUIDAGE DE FIBRES POUR DISPOSITIF DE FILATURE A BOUTS OUVERTS, ET PROCEDE DE FABRICATION D'UN CANAL DE GUIDAGE DE FIBRES

Publication

**EP 1713962 B1 20100721 (DE)**

Application

**EP 04804372 A 20041229**

Priority

- EP 2004014786 W 20041229
- DE 102004005429 A 20040204

Abstract (en)

[origin: WO2005075720A1] The invention relates to a fiber guide channel for an open-end spinning device and to a method for producing such a fiber guide channel. Fiber guide channels are known per se and serve for the pneumatic transport of individual fibers which are combed out of a feed fiber assembly by an opening cylinder that rotates in an opening cylinder housing, to a spinning rotor running at high speed in a rotor housing that can be subjected to a negative pressure. According to the invention, the fiber guide channel (13) is configured as a hollow body whose internal diameter decreases towards its orifice (26). The fiber guide channel l(13) is produced according to a method of manufacturing wherein a first over-sized blank shape is produced by injection molding from a mixture of a sinterable material and a binder. Said blank is converted to a porous intermediate shape by removing the binder and brought into a final shape which requires little finishing by sintering.

IPC 8 full level

**D01H 4/38** (2006.01)

CPC (source: EP US)

**D01H 4/38** (2013.01 - EP US)

Designated contracting state (EPC)

CZ DE IT TR

DOCDB simple family (publication)

**WO 2005075720 A1 20050818**; BR PI0418504 A 20070515; CN 1914362 A 20070214; DE 102004005429 A1 20050825; DE 502004011433 D1 20100902; EP 1713962 A1 20061025; EP 1713962 B1 20100721; US 2007277497 A1 20071206

DOCDB simple family (application)

**EP 2004014786 W 20041229**; BR PI0418504 A 20041229; CN 200480041363 A 20041229; DE 102004005429 A 20040204; DE 502004011433 T 20041229; EP 04804372 A 20041229; US 58838904 A 20041229