

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

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Application

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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 (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.

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