

Title (en)
FIBRE GUIDING ELEMENT FOR A SPINNING JET OF AN AIR-JET SPINNING MACHINE AND METHOD FOR OPERATING AN AIR-JET SPINNING MACHINE

Title (de)
FASERFÜHRUNGSELEMENT FÜR EINE SPINNDÜSE EINER LUFTSPINNMASCHINE SOWIE VERFAHREN ZUM BETRIEB EINER LUFTSPINNMASCHINE

Title (fr)
ÉLÉMENT DE GUIDAGE FIBRES POUR JET DE FILATURE D'UN MÉTIER À TISSER À JET D'AIR ET PROCÉDÉ DE FONCTIONNEMENT D'UN MÉTIER À TISSER À JET D'AIR

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Abstract (en)
[origin: CN107916474A] The invention relates to a fiber guiding element (1) for a spinneret (2) of an air-jet spinning machine, which produce a yarn (18) from a fiber structure (19), wherein the fiber guiding element (1) has an outer surface (3) supported on the fitting surface (4) of the spinneret (2) to thereby fix the fiber guiding element on or in the spinneret (2), and wherein the fiber guiding element (1) has a fiber guiding channel (5) provided with with an inlet opening (6) and an outlet opening (7) and guiding, during operation of the spinneret (2), a composite fiber passing the fiber guiding element over the fiber guiding channel (5) when entering a vortex chamber (8) of the spinneret (2). The fiber guiding channel has at least one injection channel (9), with the help of which an air flow which extends from the outlet opening (7) in the direction of the inlet opening (6) is generated within the fiber guiding channel (5) once compressed air is applied to the injection channel (9). Furthermore, the invention relates to an air-jet spinning machine and a method for operating the same.

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D01H 1/115 (2006.01)

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