

Title (en)

METHOD AND DEVICE FOR PRODUCING A YARN WITH RING-SPUN CHARACTERISTICS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES GARNES MIT RINGGARNÄHNLICHEM CHARAKTER

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'UN FIL DE TYPE FIL DE CONTINU A ANNEAUX

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Application

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Abstract (en)

[origin: WO0179595A1] The invention relates to a jet spinning method, in which fibres are combed from a combing cylinder (5) into individual fibres (9) and are conveyed using a suction cylinder (9) towards a fibre transport channel (15), from which the fibres are directed towards the opening of a yarn channel of a hollow spindle (13). The front ends of the fibres are received in the yarn channel (14), while the rear ends are captured by a rotating air stream (R) and are twisted around the opening area of the spindle or yarn channel, in such a way that a yarn is created which has at least one surface with the characteristics of a ring-spun yarn. The invention is characterized in that the fibres are separated, during the transition from the combing roller (5) to the suction cylinder, by an abrupt change of direction against the metal guide sheets (8 and 17), from trash particles which cannot change direction abruptly as a result of mass inertia. This occurs in such a way that said trash particles, which cause interruptions to the spinning in the area between the outlet of the fibre transport channel (15) and the inlet of the yarn channel (14) are eliminated in a timely manner before reaching the inlet to the fibre transport channel.

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