Title (en)

Method of sliver feeding in production of fancy yarn and spinning unit for performing it

Title (de)

Verfahren zum Zuführen von einem Faserband während der Herstellung von Effektgarn und Spinnvorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé d'alimentation de ruban de fibres utilisé pour fabriquer un fil fantaisie, et une unité de filature pour la mise en oeuvre du procédé

Publication

EP 1564318 A2 20050817 (EN)

Application

EP 04466020 A 20040729

Priority

CZ 2004240 A 20040216

Abstract (en)

The method of sliver feeding from staple fibre material in production of fancy yarn on spindle-less rotor machines with sliver feeding using the feed roller to the stripping roller, which combs out the individual fibres from the sliver and then the spinning rotor spins them into yarn, characterised by the fact that in case of each and any change of the yarn spinning profile there is - on a short term basis in the time interval of 0,01 - 0,9 second - suddenly increased in at least 10% above the operation speed of sliver feeding, while the section of the sliver fed in accelerated speed is separated from sections spun by operation speed in at least one location - at the beginning or in the end by reversing the sliver feeding on the basis of speed exceeding the operation speed of feeding. The spinning unit of the spindle-less spinner for performing the method, including an independently driven feed roller, has got a driving unit (11) of the feed roller (3) drive connected with the sensor (10) of the yarn (13) break and a programmable control unit (12).

IPC 1-7

D02G 3/34

IPC 8 full level

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CPC (source: EP)

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