

Title (en)

METHOD AND APPARATUS FOR PRODUCING STAPLE FIBRES FROM A CRIMPED SLIVER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON STAPELFASERN AUS EINEM GEKRÄUSELTEN FASERBAND

Title (fr)

procédé et dispositif de fabrication de fibres courtes coupées à partir d'une bande de filaments frisées

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Application

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Abstract (en)

[origin: WO2008022947A1] The invention relates to a method and an apparatus for producing staple fibres from a crimped sliver. To this end, a plurality of individual slivers are laid next to one another to form a treatment sliver width and are jointly treated in a fibre line. Before crimping treatment, the sliver is gathered from the treatment sliver width to a narrower crimping sliver width and is cut after crimping to form staple fibres. In order for it to be possible for optimized treatment stages to be carried out at high production quantities, according to the invention the individual slivers are guided within the treatment sliver width to form a plurality of part slivers having equally large part widths or part widths of different sizes, which are then laid together before the crimping treatment to form the sliver having the crimping sliver width in the range from 700 mm to 1200 mm. In this way, despite large treatment sliver widths, the part slivers can be transferred in few layers to the sliver with a correspondingly low deflection of the rovings.

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