Title (en)

Process and device for automatically laying a fiber band on a textile machine.

Title (de)

Verfahren und Vorrichtung zum automatischen Anlegen eines Faserbandes an einer Textilmaschine.

Title (fr)

Procédé et dispositif pour la pose automatique d'un ruban de fibres sur une machine textile.

Publication

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Application

EP 95106898 A 19910517

Priority

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Abstract (en)

To lay a sliver automatically at the feed of a textile machine, eg drawing unit, spinner, knitter, the end of the sliver is brought to a defined holding position to be taken as the start of the sliver for transfer to the feed machanism. The end of the sliver is first brought to a ready position before moving to the holding position. The ready or holding positions can be at the supply can in the centre or at its circumference. The sliver end in the can or extending downwards has a min length of 100 mm and a max length of 200 mm. When the can is being filled, the last section of sliver is taken as the start and placed in a ready position so that it is correctly placed when the can is moved into the holding position for the required feed unit. The sliver movement into the can, on filling, is ended after the can has been moved clear of the filling station to be laid at the trailing side of the can to be secured in place during the can movement to the textile machine. The can is not allowed to rotate until it is at the holding position. At the ready and/or holding positions, the start of the sliver is laid on a defined path in a preset length to be clamped near the start end while the sliver has axial movement at the trailing end of the path. The sliver is positioned above the textile machine feed from the can in the holding position, and clear of any other slivers. The start of the sliver is prepd and is given a partic starting length while any section which varies from nominal thickness is severed, or the length is achieved by drawing the sliver apart.

Abstract (de)

Zum automatischen Anlegen eines Faserbandes (4) an einer eine Speisevorrichtung (2) aufweisenden Textilmaschine wird das Faserband (4) mit seinem Ende in eine definierte Aufnahmestellung gebracht. In dieser Aufnahmestellung wird das Bandende als Bandanfang aufgenommen und an die Speisevorrichtung (2) übergeben. Zur Durchführung dieses Verfahrens ist ein Bandvorleger (3) vorgesehen, in welchem das Faserband (4) in dieser definierten Aufnahmestellung haltbar ist. Ferner ist zum Aufnehmen des in der Aufnahmestellung vorgelegten Faserbandes (4) sowie für dessen Einführung in die Speisevorrichtung (2) ein Bandzubringer (5) vorgesehen. Die Textilmaschine kann als eine beliebige, ein Faserband (4) be- oder verarbeitende Textilmaschine ausgebildet sein, z. B. als Strecke, Spinnmaschine oder Strickmaschine oder dergleichen. <IMAGE>

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D01H 9/00; D01H 15/00

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