

Title (en)

Method and apparatus for controlling the yarn tension in a textile machine and use of the method

Title (de)

Verfahren und Vorrichtung zur Regelung der Fadenspannung auf einer Textilmaschine, sowie Anwendung des Verfahrens

Title (fr)

Procédé et dispositif pour la régulation de la tension du fil dans une machine textile et l'utilisation du procédé

Publication

**EP 1520827 B1 20061115 (DE)**

Application

**EP 03022333 A 20031004**

Priority

EP 03022333 A 20031004

Abstract (en)

[origin: EP1520827A1] To control the tension of a yarn (F) at a bobbin winder, where it is drawn from a cop (2) by a take-off (5) to be passed to a reciprocating yarn guide (12), a control value is derived for the yarn feed speed. The yarn tension is measured by a sensor (6) according to its position, and tension deviations are taken into account for the control value. There is a continuous synchronizing between the position of the yarn guide and the yarn feed control (18), giving a yarn tension value related to yarn guide positions. The yarn tension is measured a number of times at fixed positions in the movement path of the yarn guide during a stroke, and the values are established over a number of yarn laying cycles. Yarn tension problems are identified by a deviation of the actual position-related value from the value derived from the values obtained from the laying cycles.

IPC 8 full level

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CPC (source: EP)

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Cited by

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