

Title (en)

Monitoring and regulation of the yarn consumption in a flat knitting machine

Title (de)

Überwachung und Regelung des Garnverbrauchs an einer Flachstrickmaschine

Title (fr)

Surveillance et régulation de la consommation de fil sur une machine à tricoter rectiligne

Publication

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Application

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Priority

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Abstract (en)

[origin: CN104562422A] The invention relates to a method for regulating the yarn consumption of the knitted fabric manufactured on the flat knitting machine. The method comprises steps of measuring the actual value of the practical value of the yarn consumption and regulating the rated value through regulating the coil length. In order to determine the correction value of the withdrawing needle triangle component for controlling the length of the paired coil of the flat knitting machine, the position of the withdrawing needle triangle component made by each knitting type of the knitting fabric according to the knitting fabric pattern. And before the production, the first knitting fabric portion (21) is manufactured according to the identical pattern of the follow-up produced knitting fabric, and the compression between the practical value and the rated value of the yarn consumption is constantly performed in order to improve and store the knitting type correction value presented in each knitting fabric, and the determined correction value for controlling the withdrawing needle triangle component is used for producing the knitting fabric.

IPC 8 full level

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