

Title (en)

Method and device for automatically controlling the quantity of yarn fed to a textile machine operating discontinuously thereon.

Title (de)

Methode und Vorrichtung zur automatischen Regelung der Menge des zugeführten Garnes zu einer damit diskontinuierlich arbeitenden Textilmaschine.

Title (fr)

Méthode et dispositif pour contrôler automatiquement la quantité du fil fourni à une machine textile travaillant avec le dernier en fonction discontinue.

Publication

EP 0489307 A1 19920610 (EN)

Application

EP 91119816 A 19911121

Priority

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Abstract (en)

A method for controlling the quantity of at least one yarn fed to a textile machine operating discontinuously on said yarn comprises: a stage, or self-learning stage, in which a master product is produced, the master data relative to the characteristics of the machine during this production and to the quantity of yarn fed to said machine being memorized, and at least one further stage in which a plurality of products similar to the master product are produced, for each of them the current data relative to the machine characteristics (during said production) and to the quantity of yarn fed to it being compared with the corresponding stored master data, means for feeding the yarn to the machine then being controlled on the basis of this comparison such as to maintain said quantity constant during the entire production corresponding to the desired master product. The aforesaid method is implemented by sensor means for determining characteristic data of the machine and data relative to the quantity of yarn fed to this latter during the formation of the products, means for memorizing said data relative to a master product, means for comparing the data obtained during the production of products similar to the master product with the stored data, and means which, on the basis of this comparison, control the operation of the actuator means for the movement of the yarn to the machine, in such a manner as to maintain the quantity of yarn directed to said machine constant during the production. <IMAGE>

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IPC 8 full level

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Citation (search report)

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