Title (en)

A PROCESS FOR REGULATING THE SIZE OF KNITTED ARTICLES UNDER PRODUCTION IN CIRCULAR KNITTING MACHINES FOR KNITWEAR OR HOSIERY

Title (de)

VERFAHREN ZUR REGULIERUNG DER GRÖSSE VON IN RUNDSTRICKMASCHINEN FÜR STRICKWAREN ODER TRIKOTAGEN HERGESTELLTEN MASCHENWAREN

Title (fr)

PROCÉDÉ PERMETTANT DE RÉGULER LA TAILLE DES ARTICLES TRICOTÉS SOUS PRODUCTION DANS DES MACHINES À TRICOTER CIRCULAIRES POUR ARTICLES TRICOTÉS OU ARTICLES CHAUSSANTS

Publication

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Application

EP 15179905 A 20120529

Priority

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Abstract (en)

[origin: EP2532776A1] A process for regulating the size of textile articles under production on circular knitting machines for knitwear or hosiery, comprising steps of: predisposing at least a circular knitting machine (1) for knitwear or hosiery; defining a knitted article (6) to be produced on the knitting machine (1); sub-dividing the knitted article (6), defining at least a plurality of consecutive knitted zones of the knitted article (6); activating a production program of the knitted article (6); producing the knitted zones of the knitted article (6) in sequence, maintaining a tension of the yarn (9) substantially constant; detecting a plurality of yarn consumption data (9) per knitted zone (6a, 6b) at each feeding position (10) of the machine and at the relative passive yarn feeder (8); comparing the plurality of yarn consumption data (9) per knitted zone (6a, 6b) with a respective plurality of reference values for yarn consumption (9) per knitted zone (6a, 6b), such as to obtain a respective plurality of comparable results; determining a plurality of corrective values of the position of the stitch cams (7) on the basis of the respective plurality of compared results, if the compared results are greater than respective predetermined tolerance thresholds; automatically displacing the stitch cams (7), according to the plurality of corrective values, such as to reduce the difference between the plurality of yarn consumption data (9) per knitted zone (6a, 6b) and the plurality of yarn consumption reference values (9) per knitted zone (6a, 6b). Also a software program and a circular knitting machine implementing the process is disclosed.

IPC 8 full level

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