Title (en)

Methods of controlling yarn length in flat knitting machines and devices therefor

Title (de)

Verfahren zur Regelung der Fadenlänge an Flachstrichmaschinen und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour le réglage de longueur de fil dans des métiers à tricoter rectilignes et dispositif pour sa mise en oeuvre

Publication

EP 0699792 A1 19960306 (EN)

Application

EP 95306139 A 19950901

Priority

JP 21020794 A 19940902

Abstract (en)

For an intarsia part, a representative yarn is selected from multiple yarns to be used. A loop length routine is done for the representative yarn, and the stitch cams are adjusted. For each course, actual stitch cam values are determined by adding said adjustment values to the values of stitch cams obtained from the knitting data, and the standard garment is knitted. Under the same conditions, a subsequent garment is knitted, and the yarn length consumed is compared with the yarn length consumed by the standard garment to update stitch cam adjustment values. <MATH>

IPC 1-7

D04B 15/38; D04B 7/26

IPC 8 full level

D04B 7/26 (2006.01); **D04B 15/38** (2006.01)

CPC (source: EP KR)

D04B 7/045 (2013.01 - EP); **D04B 7/26** (2013.01 - EP); **D04B 11/00** (2013.01 - KR); **D04B 15/56** (2013.01 - EP); **D04B 15/66** (2013.01 - EP)

Citation (applicant)
- JP S6262977 A 19870319 - SHIMA IDEA CENTER CO LTD
- JP H0625953 A 19940201 - SHIMA SEIKI MFG
- JP H0149816 B2 19891026

Citation (search report)
- [A] EP 0489307 A1 19920610 - INT TRADING SRL [IT]
- [DA] EP 0506322 A1 19920930 - SHIMA SEIKI MFG [JP] & JP H0625953 A 19940201 - SHIMA SEIKI MFG
- [A] EP 0452800 A1 19911023 - BAREA TIZIANO [IT]
- [DA] DATABASE WPI Week 8717, Derwent World Patents Index; AN 87-119308

Cited by

US7113844B2; CN104032472A; FR2794142A1; CN112095219A; EP2862970A1; CN104562422A; EP2280104A4; CN111078964A; US7289869B2; EP3567148A1; WO2004079071A1

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DE FR GB IT

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EP 95306139 A 19950901; DE 69506341 T 19950901; KR 19950028428 A 19950831