

Title (en)

Method of controllably adjusting amount of knitting yarns

Title (de)

Verfahren zum regulierbar Einstellen von Strickgarnmengen

Title (fr)

Procédé pour la régulation contrôlable de quantités de fils de tricotage

Publication

**EP 0506322 B1 19960508 (EN)**

Application

**EP 92302483 A 19920323**

Priority

JP 9314791 A 19910329

Abstract (en)

[origin: EP0506322A1] A method of controllably adjusting amount of knitting yarns available for a knitting operation with a flat knitting machine comprising the following sequential steps. A step of storing a predetermined amount X or a data on the amount Ms of integrated yarn length of length Si of available knitting yarns at the moment at which said yarn length Si exceeds said predetermined amount X in conjunction with a data on said yarn length Si related to each course 'i' of a sample knit fabric composed by operating a flat knitting machine. A step of storing a data on the amount Mc of integrated yarn length of said predetermined amount X of length Ci of available knitting yarns in conjunction with said yarn length Ci related to each course 'i' of an actually knitted fabric having composition identical to that of said sample knit fabric. A step of executing a comparative arithmetic operation to make comparison between said amount Ms of integrated yarn length of said sample knit fabric and said amount Mc of integrated yarn length of said actually knitted fabric. A step of correcting stitch cam in the event that the compared value E is less than or more than a predetermined range. A step of subtracting a predetermined amount 'm' from said amount Ms of integrated yarn length of said sample knit fabric and said amount Mc of integrated yarn length of said actually knitted fabric. A step of adding said length Si of knitting yarn related to each course 'i' of said sample knit fabric to the amount (Ms - m) of integrated yarn length of said sample knit fabric and other amount (Mc - m) of integrated yarn length of said actually knitted fabric remaining from said subtraction of said predetermined amount 'm'. A step of storing either said predetermined amount X or the amount Msn of integrated yarn length in the event that said amount Msn exceeds said predetermined amount X. A step of storing the amount Mcn of integrated yarn length of said predetermined amount X. A step of executing a comparative arithmetic operation to make comparison between said amount Msn of integrated yarn length of said sample knit fabric and said amount Mcn of integrated yarn length of said actually knitted fabric. A step for correcting stitch cam in the event that the compared value E is less than or more than a predetermined range. The method sequentially and repeatedly executes the comparative arithmetic operations set above so that a predetermined amount of knitting yarns can securely be maintained in a specific range. <IMAGE>

IPC 1-7

**D04B 15/32**

IPC 8 full level

**D04B 15/32** (2006.01); **D04B 15/36** (2006.01); **D04B 15/38** (2006.01)

CPC (source: EP)

**D04B 15/32** (2013.01)

Cited by

EP0699792A1; EP0959161A3; EP2280104A4; EP0723042A1; US5606875A; EP2775020A1; CN104032472A

Designated contracting state (EPC)

CH ES FR GB LI

DOCDB simple family (publication)

**EP 0506322 A1 19920930; EP 0506322 B1 19960508**; DE 4210378 A1 19921001; DE 4210378 C2 20011018; ES 2087447 T3 19960716; IT 1259362 B 19960312; IT TO920272 A0 19920327; IT TO920272 A1 19930927; JP 2952391 B2 19990927; JP H0625953 A 19940201

DOCDB simple family (application)

**EP 92302483 A 19920323**; DE 4210378 A 19920330; ES 92302483 T 19920323; IT TO920272 A 19920327; JP 9314791 A 19910329