

Title (en)

Yarn length control device and control method in a flat knitting machine

Title (de)

Garnlängensteuervorrichtung und Steuerverfahren in einer Flachstrickmaschine

Title (fr)

Dispositif de contrôle de longueur de fil et procédé de contrôle dans une tricotieuse rectiligne

Publication

EP 2439322 A1 20120411 (EN)

Application

EP 11008102 A 20111006

Priority

JP 2010228254 A 20101008

Abstract (en)

Stitch cams (9, 10) of each needle bed, in a flat knitting machine (2) provided with at least a pair of front and rear needle beds are controlled in accordance with a stitch cam correction value, and the stitch cam correction value is updated in accordance with a difference between loop length of stitches formed in the flat knitting machine (2) and a target value of loop length of the stitches. Setting is made as to whether to update the stitch cam correction value by a common change amount for each needle bed, or to update the stitch cam correction value by a dissimilar change amount varied depending on the needle bed, and the stitch cam correction value of each needle bed is updated according to the setting.

IPC 8 full level

D04B 7/04 (2006.01); **D04B 15/32** (2006.01); **D04B 15/36** (2006.01)

CPC (source: EP)

D04B 7/045 (2013.01); **D04B 15/362** (2013.01)

Citation (applicant)

JP 3085638 B2 20000911

Citation (search report)

- [XYI] EP 1605084 A1 20051214 - SHIMA SEIKI MFG [JP]
- [Y] EP 0723042 A1 19960724 - SHIMA SEIKI MFG [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2439322 A1 20120411; **EP 2439322 B1 20160810**; CN 102443960 A 20120509; CN 102443960 B 20150128; JP 2012082542 A 20120426; JP 5698491 B2 20150408

DOCDB simple family (application)

EP 11008102 A 20111006; CN 201110285629 A 20110923; JP 2010228254 A 20101008