

Title (en)

Method for controlling tension of warp

Title (de)

Verfahren zur Steuerung der Kettspannung

Title (fr)

Méthode de contrôle de la tension de la chaîne

Publication

EP 1101852 A1 20010523 (EN)

Application

EP 00123397 A 20001031

Priority

- JP 33068399 A 19991119
- JP 2000197743 A 20000630

Abstract (en)

In a method for controlling the tension of a warp for production of a textile with the number of crossing of the warp with respect to the weft smaller in one part compared with the other part of the textile in the width direction, a warp (3) corresponding to one part with a small number of crossing and a warp (2) corresponding to the other part with a large number of crossing are drawn out from a warp beam (4) and are placed on different rolls (5,6), and the roll (6) dedicated to the warp (3) corresponding to one part is movably provided in the direction crossing with the axis of the roll (6). The method includes the steps of: temporarily reducing the tension of the warp (3) corresponding to one part via the dedicated roll (6) immediately before beating; increasing the tension of the warp (3) corresponding to one part via the dedicated roll (6) after beating so as to regain a target tension value; detecting the position of the dedicated roll (6); calculating the deviation of the detected position and a preset target position; and correcting at least one of the degree of reducing the tension and the target tension value so as to decrease the deviation. <IMAGE>

IPC 1-7

D03D 49/12; **D03D 49/04**

IPC 8 full level

D03D 49/04 (2006.01); **D03D 49/12** (2006.01)

CPC (source: EP)

D03D 49/04 (2013.01); **D03D 49/12** (2013.01)

Citation (search report)

- [PX] US 6070619 A 20000606 - TAMURA ZENJI [JP], et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 016, no. 183 (C - 0936) 6 May 1992 (1992-05-06)
- [PX] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 01 31 January 1996 (1996-01-31)

Cited by

CN107344448A

Designated contracting state (EPC)

BE DE IT

DOCDB simple family (publication)

EP 1101852 A1 20010523; **EP 1101852 B1 20040804**; DE 60012664 D1 20040909; DE 60012664 T2 20050728; JP 2001207352 A 20010803; JP 3466547 B2 20031110

DOCDB simple family (application)

EP 00123397 A 20001031; DE 60012664 T 20001031; JP 2000197743 A 20000630