Title (en)
Pile warp control system for producing terry fabric on looms

Title (de)
Steuersystem für die Polkette zur Herstellung von Frottiergewebe auf Webmaschinen

Title (fr)
Système de contrÔle de la chaîne de poil lors de la fabrication de tissu éponge sur métier à tisser

Publication
**EP 0761857 B1 19981209 (DE)**

Application
**EP 96111877 A 19960724**

Priority
DE 19530222 A 19950817

Abstract (en)
[origin: DE19530222C1] A control system determines piled warp tension and formation of increments of piled warp thread during terry cloth mfr. on looms with an increment-controlled piled warp beam which continuously delivers the warp with correct tension over deflection roller(s) and a jockey roller. A warp increment is formed before each weft group thrust via a waving reed and before the accompanying controlled displacement of the weave thrust edge towards the reed thrust position. The deflection roller (5), connected to a controlled motorised drive, has a surface which exerts a friction force on the piled warp (4) which winds round it.The jockey roller (8) is firmly fixed at its open ends with a rotating shaft (14) eccentrically located w.r.t. the roller axis and free to rotate in a support element (9) which rotates about a bearing (12) a distance from the shaft and held by a bearing block attached to the machine.Spring-loaded (46) turning lever(s) (48) are firmly fixed to the ends of the jockey roller where the spring is linked at one end with a lever connector piece (50) and at the other to an adjustable tensioning bolt (59) on the support.Each support is displaced by connection to a known terry drive (17) via a coupling rod (16) and controlled activator(s) (52), anchored to the machine, causes the turning lever to oscillate.

IPC 1-7
**D03D 39/22**

IPC 8 full level
**D03D 39/00** (2006.01); **D03D 39/22** (2006.01); **D03D 49/12** (2006.01)

CPC (source: EP)
**D03D 39/223** (2013.01)

Cited by
CN113906174A

Designated contracting state (EPC)
BE CH DE FR GB IT LI

DOCDB simple family (publication)
**DE 19530222 C1 19960605**; DE 59600952 D1 19990121; EP 0761857 A1 19970312; EP 0761857 B1 19981209; JP 2986738 B2 19991206; JP H09111597 A 19970428

DOCDB simple family (application)
**DE 19530222 A 19950817**; DE 59600952 T 19960724; EP 96111877 A 19960724; JP 21631196 A 19960816