

Title (en)

Method to avoid stress peaks in the weft at insertion during braking.

Title (de)

Verfahren zum Vermeiden von Spannungsspitzen eines Schussfadens beim Schusseintrag während des Bremsvorganges.

Title (fr)

Procédé pour éviter les pics de contrainte dans la trame lors de son introduction au moment du freinage.

Publication

EP 0356380 B1 19941123 (DE)

Application

EP 89810527 A 19890712

Priority

CH 316988 A 19880825

Abstract (en)

[origin: JPH0299644A] PURPOSE: To prevent the occurrence of yarn breakage by arranging a damping means comprising a force-storing means and a deflector between a weft storing device and a main nozzle, braking the yarn speed at the end of weft insertion and avoiding the occurrence of stress peaks. CONSTITUTION: A damping means 20 having a force-storing means 21 composed of a spring material in order to deflect a weft yarn 1 from a straight advancing path thereof is arranged before a main nozzle 7 in weft insertion of the weft yarn 1 drawn off from a package 4 and stored in a storing device 5 with the main nozzle 7. The damping means 20 engages the weft yarn 1 by cooperation with an upper deflector 23 in the near center of the two deflectors 22 and 23 arranged on both sides of the force-storing means 21. The measured yarn speed is used as a basis for controlling the period of start, duration and/or magnitude of the reduction of the deflection in the above deflection and/or the damping process to control the period of the start, duration and/or magnitude of the reduction of the deflection in the deflection and/or the damping process for performing the yarn speed braking. Thereby, stress peaks are prevented from occurring.

IPC 1-7

D03D 47/34

IPC 8 full level

D03D 47/34 (2006.01)

CPC (source: EP US)

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Cited by

CN114787059A; US5417251A; EP0826806A1; EP0659919A1; US5544680A; EP0467059A1; BE1014441A3; US5462094A; US6105627A; CN1084810C; WO0044970A1; WO2021078791A1; WO9306279A3; WO9805812A1; WO03038170A1; WO9306278A3

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