

Title (en)
Process and device to influence the braking force of a yarn brake which is arranged between a yarn supply system and a yarn storage in a weaving machine

Title (de)
Verfahren und Vorrichtung zur Beeinflussung der Fadenbremskraft einer zwischen einem Garnvorratssystem und einem Fadenspeicher einer Webmaschine angeordneten Schussfadenbremse

Title (fr)
Procédé et dispositif pour influencer la force de freinage d'un frein de fil situé entre un système d'alimentation en fil textile et un dispositif d'emmagasinement dans un métier à tisser

Publication
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Application
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Priority
DE 10151780 A 20011019

Abstract (en)
[origin: EP1304407A2] To control the braking action on a weft yarn (4), between the supply bobbin (1,2) and the yarn store (11) at a shuttleless loom, the braking force at the weft brake (5) is set to give a constant yarn tension in the windings around the yarn store. The weft brake is controlled through a yarn tension sensor (10), which passes the yarn tension measurements to a control unit (14) to set the yarn brake accordingly. A sensor (3) at the bobbins registers the change from an empty bobbin to a replacement full bobbin, to activate the control to set an initial and adjustable braking level at the yarn brake. The weft brake is a leaf spring, or a brake which takes the weft in a loop around it.

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Citation (search report)
• [A] FR 2619580 A1 19890224 - TSUDAKOMA IND CO LTD [JP]
• [A] US 5335878 A 19940809 - JACOBSSON KURT A G [SE]

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