

Title (en)

Cloth winding apparatus in a weaving loom.

Title (de)

Warenwickelvorrichtung in einer Webmaschine.

Title (fr)

Appareil d'enroulement d'un tissu dans un métier à tisser.

Publication

EP 0524139 A1 19930120 (EN)

Application

EP 92810478 A 19920623

Priority

JP 15707691 A 19910627

Abstract (en)

To facilitate removal of a cloth roll from a weaving loom in an apparatus for maintaining a constant cloth tension during cloth winding operation. A feeler lever (16) is supported on a feeler lever shaft (13) in a slidable relation thereto, and the range of sliding movement of the feeler lever (16) is restricted by a stop plate (17) and a stop ring (19). The feeler lever 16 is urged toward the stop plate (17) by the pressure exerted by a spring (21). The stop plate (17) has attached thereto a pin (17a), while the feeler lever (16) has formed therein a reception hole (16a). The feeler lever (16) is normally positioned where the pin (17a) is engaged with the hole (16a), but it is axially shifted to a position where, the pin (17a) is moved out of the hole 16a when removing the wound-up cloth roll from the loom. This axial shifting of the feeler lever (16) to disengage the pin (17a) from the hole (16a) allows only the feeler lever shaft (13) to rotate by the action of another spring (11) used for maintaining the cloth W at a constant tension during winding operation, whereby rapid rotation of the feeler, lever (16) can be avoided during the removal of the cloth roll from the loom. <IMAGE>

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CPC (source: EP)

B65H 18/10 (2013.01); **B65H 23/005** (2013.01)

Citation (search report)

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- [Y] PATENT ABSTRACTS OF JAPAN vol. 6, no. 249 (M-177)(1127) 8 December 1982 & JP-A-57 145 758 (RICOH K. K.)

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