

Title (en)

Quick-release retainer for the brake support of weft feeders for textile machines

Title (de)

Brennstützkörper von Schussfadenspeichern für Textilmaschinen

Title (fr)

Moyen de retenue à démontage rapide pour le support de frein des fournisseurs de trame pour machine textiles

Publication

EP 0826619 A1 19980304 (EN)

Application

EP 97114832 A 19970827

Priority

IT TO960179 U 19960903

Abstract (en)

A quick-release retainer for the brake support (17) of weft feeders for textile machines, wherein the brake support is rigidly coupled to a slider (18) which is controlled by a precision adjustment system which is constituted by an adjustment screw (23a) which meshes with a female thread (22) which is rigidly coupled to the slider, in order to move the slider and the brake support parallel to the drum (12) of the feeder (10) in order to vary the static tension applied to the thread (F) by the brake (15), and wherein the entire adjustment system can move rigidly with the slider (18) and is subjected to the action of a spring (26) which tends to move the brake support (17) into a disengagement position, in which the brake (15) is spaced from the drum (11) of the feeder (10). The spring (26) is contrasted by a controlled stop element (28), which engages a corresponding groove (29) of the pin (23) of the screw in order to keep said spring (26) normally loaded and keep the brake (15) in the active position in contact with the drum (11); the disengagement of the stop element (28) causes the snap movement of the slider and of the brake support into the disengagement position of the brake (15). <IMAGE>

IPC 1-7

B65H 51/22; **D03D 47/34**

IPC 8 full level

B65H 51/22 (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)

D03D 47/364 (2013.01); **D03D 47/366** (2013.01); **B65H 2551/22** (2013.01)

Citation (search report)

- [A] EP 0652312 A1 19950510 - LGL ELECTRONICS SPA [IT]
- [AD] EP 0446447 A1 19910918 - SOBREVIN [LI]
- [AD] EP 0657379 A2 19950614 - SOBREVIN SOC DE BREVETS IND ET [LI]
- [AD] EP 0659918 A2 19950628 - SOBREVIN SOC DE BREVETS IND ET [LI]

Cited by

CN105332150A; EP0884263A1; EP0926089A1; CN105177842A; CN106435962A; EP1334941A1; CN100408738C; CN108884610A; EP3390707A4; ITTO20130769A1; EP2853626A1; CN104444589A

Designated contracting state (EPC)

BE CH DE IT LI SE

DOCDB simple family (publication)

EP 0826619 A1 19980304; **EP 0826619 B1 20020502**; DE 69712282 D1 20020606; DE 69712282 T2 20021114; IT 239803 Y1 20010313; IT TO960179 U1 19980303; IT TO960179 V0 19960903

DOCDB simple family (application)

EP 97114832 A 19970827; DE 69712282 T 19970827; IT TO960179 U 19960903