

Title (en)

BAND AND TOOL FOR BINDING AND TENSIONING OF ELONGATE PRODUCTS

Publication

EP 0428116 B1 19920729 (DE)

Application

EP 90121649 A 19901112

Priority

- DE 8913514 U 19891115
- DE 9004993 U 19900502

Abstract (en)

[origin: US5050649A] A strap (2) consisting of a strap tongue (3) and a strap lock (4) which has an orifice (7) for receiving the strap tongue (3) is looped and clamped around an elongate article by means of a tool. The tool possesses a looping guide (12, 13, 14) closable around the article and intended for the strap (2), with a retention means (20) for the strap lock (4), a guide (17) aligned approximately with the retention means (20) and intended for the free strap end (8) of the strap tongue (3), and a device for generating a relative movement occurring between the retention means (20) and the guide (17) in order to push the free strap end (8) into the orifice (7) of the strap lock (4). The strap tongue possesses a central recess (9) and the device provided on the tool and intended for generating the relative movement has a pushing-forward finger (30) interacting with the recess. The guide (17) for the free strap end is formed by a move-away flap (14) which can assume, in addition to that first position in which the guide (17) extends towards the lock retention means (20), a second position, in which it is further away from the lock retention means (20). Control means (23, 25, 27) are provided for controlling the position of the move-away flap (14) and cause the latter to assume the first position during the introduction of the strap end into the lock and the second position during the clamping of the strap.

IPC 1-7

B65B 13/02; B65B 13/22; H01B 13/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

US5934341A; US6019142A; EP0596363A1; US5417252A; EP0835809A1; US5845681A; EP0596368A1; US5429158A; EP0561156A3; EP0835807A1; DE102013222924A1

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