

Title (en)

Method and machine for automatically banding a load with a plastic film strip.

Title (de)

Verfahren und Maschine zum automatischen Banderolieren einer Ladung mit einem Band aus Plastikfolie.

Title (fr)

Procédé et machine pour banderoler automatiquement une charge avec une bande de film en matière plastique.

Publication

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Application

EP 85401877 A 19850925

Priority

FR 8414752 A 19840925

Abstract (en)

1. Machine for the automatic banding of a load with a plastic film strip, the width of which is a fraction of the height of the load to be banded, the said machine comprising a frame (8), a load-supporting table (9) stationary when the machine is in operation ; means (10) for supporting a film reel (2a) of generally vertical axis, which are mounted pivotally about a vertical axle (11) passing through the table (9) and which are arranged at least partially above the table (9) and the load (1) to be banded ; means (12) for driving in rotation the means (10) for supporting the reel (2a), first means (13) for sliding the reel (2a) in the vertical direction ; means (14) for temporarily retaining the initial free end part of the film strip (2) near or against the load (1) ; means (15) for the transverse cutting of the film strip (2) ; and means (16) for fixing together the film strip (2), characterized in that, in combination, in the first place it possesses second means (33) for sliding the retaining, cutting and fixing means (14, 15, 16) in a vertical direction, comprising a second column (38) on which a stay (29) forming a carriage is mounted, drive means ensuring the vertical movement of the carriage stay (29) ; in the second place the lower free end part of the journal (2c) or of the reel (2a) is permanently located underneath or is coplanar with the lower free end (37) of the first column (24) supporting it and in a fixed relative position in relation to this ; and in the third place the lower free end of the journal (2c) or of the reel (2a) is permanently located at a level higher than that of the carriage stay (29).

Abstract (fr)

L'invention concerne une machine de banderolage automatique d'une charge avec une bande de film en matière plastique qui comprend un bâti (8), une table (9), des moyens support (10) d'une bobine de film (2a), montés pivotants autour d'un axe vertical (11), des moyens d'entraînement (12) à rotation des moyens support (10), des premiers moyens de coulissement (13) de la bobine (2a) dans une direction verticale; des moyens de maintien temporaire (14) de la partie extrême libre initiale de la bande de film (2) à proximité ou contre la charge (1); des moyens de coupe transversale (15); des moyens de solidarisation (16) et des seconds moyens de coulissement (33), des moyens de maintien (14) de coupe (15) et de solidarisation (16), dans une direction verticale.

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CPC (source: EP)

B65B 11/025 (2013.01); **B65B 2210/20** (2013.01)

Citation (search report)

- [A] US 4282700 A 19810811 - GOLDSTEIN JOSEPH
- [A] US 4109445 A 19780829 - SHULMAN MICHAEL H
- [A] FR 2256871 A1 19750801 - APPLIC THERMIQUES [FR]

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