

Title (en)

Device for tensioning a strap around a package.

Title (de)

Gerät zum Spannen eines Bandes um ein Packgut.

Title (fr)

Appareil pour la mise sous tension d'une bande autour d'un paquet.

Publication

EP 0413160 B1 19940928 (DE)

Application

EP 90113755 A 19900718

Priority

CH 297989 A 19890815

Abstract (en)

[origin: EP0413160A1] The device (4), which is manually operable with a tensioning lever (16), has a cutting station (8), a tensioning station (10) and a clamping station (12). The clamping station (12) has, mounted on an eccentric shaft (20), a clamping arm (18) with a clamping shoe (40), by means of which the strap end (3) inserted in a strap channel (5) is clamped. The clamping shoe (40) is arranged laterally offset in relation to the axis of the eccentric shaft (20) in the direction of the strap end (3), in the region of a clamping nose (35) which is supported on the support surface (36) of the device housing (15). When the clamping shoe (18) is lowered into the clamping position, an additional clamping force is exerted on the clamping shoe (40) by the clamping nose (35) guided on the support surface (36). The clamping force exerted by the clamping arm (18) acts in this connection at an acute angle (48) so that an articulated-lever effect by the clamping arm (18) is reliably avoided and thus over stressing of the housing (15) by uncontrollably great forces arising in the articulated-lever position is avoided. <IMAGE>

IPC 1-7

B65B 13/02

IPC 8 full level

B65B 13/22 (2006.01); **B65B 13/34** (2006.01)

CPC (source: EP US)

B65B 13/345 (2013.01 - EP US)

Cited by

CN104340442A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0413160 A1 19910220; EP 0413160 B1 19940928; AT E112220 T1 19941015; CH 679571 A5 19920313; DE 59007325 D1 19941103; JP H03124512 A 19910528; US 5117615 A 19920602

DOCDB simple family (application)

EP 90113755 A 19900718; AT 90113755 T 19900718; CH 297989 A 19890815; DE 59007325 T 19900718; JP 21489990 A 19900813; US 56850290 A 19900815