

Title (en)

Hand-held strapping tool for applying a steel band to a product

Title (de)

Handbetätigtes Umreifungsgerät zur Umreifung von Packgut mit einem Stahlband

Title (fr)

Outil de cerclage à main pour l'application d'un bande en acier autour d'un article

Publication

EP 1270420 A3 20030305 (DE)

Application

EP 02405405 A 20020521

Priority

CH 9452001 A 20010521

Abstract (en)

[origin: US2002179175A1] A manually actuated transportable strapping unit for wrapping a tightening strap around a packaged item (58) which unit includes a base plate (1) which is provided with a supporting surface (1b) for arranging on a packaged item. The unit further includes a sealing device which is provided with a pivotable die-plate carrier (3) which can be pivoted with respect to the base plate (1), about a first bearing point (2), which is provided in the region of a front end (1a) of the base plate (1), from an open end position into a sealing end position and vice versa. A die-plate (13) is arranged on the die-plate carrier (3), which die-plate (13) can be lowered by the pivoting movement of the die-plate carrier (3) in the direction of a punch (6) arranged in the base plate (1) for which purpose a sealing-device lever (26) is provided which can be pivoted about a second bearing point (22) and whose pivoting movement can be transmitted to the die-plate carrier (3) via a transmission element (20) in a force-transmitting contact region of the die-plate carrier (3). The unit includes separating means on the die-plate carrier (3), with which the strap can be severed, and is provided with a tensioning device with which a strap tension can be applied to the tightening strap, the tensioning device having a tensioning lever (39) with which a tensioning wheel (38) arranged on a tensioning shaft (43) can be actuated. At least in the sealing end position, a contact region of the transmission element (20) with the die-plate carrier (3) is arranged, with respect to a direction running at least substantially parallel to the orientation of the strap between the sealing device and the tensioning wheel (38), approximately level with the separating means or behind the separating means.

IPC 1-7

B65B 13/30

IPC 8 full level

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CPC (source: EP US)

B65B 13/305 (2013.01 - EP US)

Citation (search report)

- [A] US 4398572 A 19830816 - FROMM PETER [CH]
- [A] US 5029433 A 19910709 - WERK JUERGEN [DE]
- [A] GB 707418 A 19540414 - ANDRE REBICHON

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CN100406351C

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2002179175 A1 20021205; **US 6640838 B2 20031104**; AU 4242002 A 20021128; AU 766907 B2 20031023; CA 2386713 A1 20021121; CA 2386713 C 20070724; CN 1235769 C 20060111; CN 1386675 A 20021225; DE 50200787 D1 20040916; EP 1270420 A2 20030102; EP 1270420 A3 20030305; EP 1270420 B1 20040811; JP 2003011912 A 20030115; MX PA02005049 A 20030820; NZ 519013 A 20030530; TW 531517 B 20030511

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US 15129902 A 20020521; AU 4242002 A 20020521; CA 2386713 A 20020517; CN 02120277 A 20020521; DE 50200787 T 20020521; EP 02405405 A 20020521; JP 2002146027 A 20020521; MX PA02005049 A 20020520; NZ 51901302 A 20020516; TW 91110688 A 20020521