

Title (en)
STRAPPING DEVICE WITH A TENSIONER

Title (de)
UMREIFUNGSVORRICHTUNG MIT EINER SPANNEINRICHTUNG

Title (fr)
DISPOSITIF DE BANDEROLAGE COMPORTANT UN DISPOSITIF TENDEUR

Publication
EP 2285691 B1 20150311 (DE)

Application
EP 09735814 A 20090106

Priority
• CH 2009000004 W 20090106
• CH 6482008 A 20080423

Abstract (en)
[origin: WO2009129636A1] A strapping device (1), in particular a mobile strapping device, for strapping packaged goods with a wrap-around strap, comprising a tensioner (6) for applying a strap tension to a loop of a wrapping strap, said tensioner comprising a rotationally drivable tensioning wheel (7) and a tensioning rocker (8) that pivots relative to the tensioning wheel and cooperates with the tensioning wheel, wherein a tensioning plate (12) is disposed at the tensioning rocker for applying a wrapping strap, and a wherein a distance between the tensioning plate and the tensioning wheel can be varied for applying a tension on the strap, said tensioner also comprising a connector, in particular a welding connector (10) such as a friction welder, for producing a connection in two areas of the loop of the wrapping strap located one on top of the other, is intended to exhibit largely consistent tensioning characteristics even with different strap thicknesses. To this end, means are proposed for the strapping device that provide for the variability of the relative position of the tensioning plate relative to the tensioning wheel in addition to the pivotability of the tensioning rocker.

IPC 8 full level
B65B 13/02 (2006.01); **B65B 13/18** (2006.01); **B65B 13/32** (2006.01)

CPC (source: EP US)
B65B 13/025 (2013.01 - EP US); **B65B 13/187** (2013.01 - EP US); **B65B 13/322** (2013.01 - EP US)

Cited by
EP3730416A1; IT201900006288A1; EP4001135A1; EP3730415A1; IT201900006286A1; US11377241B2; US11760515B2; US11472583B2; EP4001135B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009129636 A1 20091029; CN 102026875 A 20110420; CN 102026875 B 20160120; CN 201411058 Y 20100224; EP 2285691 A1 20110223; EP 2285691 B1 20150311; ES 2539151 T3 20150626; JP 2011518088 A 20110623; KR 101613247 B1 20160418; KR 20100135275 A 20101224; RU 2010147640 A 20120527; RU 2471687 C2 20130110; US 2011056392 A1 20110310; US 9193486 B2 20151124

DOCDB simple family (application)
CH 2009000004 W 20090106; CN 200920001415 U 20090106; CN 200980115059 A 20090106; EP 09735814 A 20090106; ES 09735814 T 20090106; JP 2011505338 A 20090106; KR 20107023734 A 20090106; RU 2010147640 A 20090106; US 98928109 A 20090106