

Title (en)

STRAPPING MACHINE FOR TYING OF PACKAGES

Title (de)

UMREIFUNGSAUTOMAT ZUM ABBINDEN VON PACKSTÜCKEN, INSBESONDERE VON ZU BUNDEN GEWICKELTEN METALLBÄNDERN

Title (fr)

BANDEROLEUSE POUR PAQUETS

Publication

EP 2485946 B1 20150603 (DE)

Application

EP 10768406 A 20101008

Priority

- DE 102009048943 A 20091010
- EP 2010006145 W 20101008

Abstract (en)

[origin: WO2011042191A1] The invention relates to a strapping machine (1) for tying packages (2), in particular metal strips wound into coils, using at least one strapping band (4; 4a, 4b) guided around a package (2), wherein a tying head (8, 8a, 8b) can be placed against the package. The strapping machine comprises a tensioning device and a welding device (9a, 9b) for connecting the ends (4a, 4b) of the strapping bands (4) that are stretched under tension, said welding device comprising at least one upper advanceable welding electrode (12) in an electrode chamber (10). The strapping machine also comprises a counter electrode that temporarily interacts with said welding electrode. A sliding plate (14) is associated with the welding device (9a, 9b) towards the package (2). Since the sliding plate (14) is also designed as the counter electrode, is used in the region of the mutually overlapping ends (4a, 4b) of the strapping band (4) on the lower face thereof and is directly supported on the package (2), strapping and tying are simpler and more secure.

IPC 8 full level

B65B 13/06 (2006.01); **B65B 13/32** (2006.01); **B65B 27/06** (2006.01)

CPC (source: BR EP KR US)

B65B 13/06 (2013.01 - EP KR US); **B65B 13/184** (2013.01 - BR); **B65B 13/32** (2013.01 - EP KR US); **B65B 13/325** (2013.01 - BR); **B65B 27/06** (2013.01 - EP KR US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011042191 A1 20110414; AU 2010305041 A1 20120412; AU 2010305041 B2 20151224; BR 112012008242 A2 20160308; BR 112012008242 B1 20190618; CA 2777027 A1 20110414; CA 2777027 C 20161108; CN 102712375 A 20121003; CN 102712375 B 20150506; EP 2485946 A1 20120815; EP 2485946 B1 20150603; ES 2539963 T3 20150707; JP 2013507297 A 20130304; JP 5680091 B2 20150304; KR 101903490 B1 20181002; KR 20120093171 A 20120822; MX 2012003970 A 20120508; MY 159139 A 20161215; PL 2485946 T3 20151130; RU 2012116354 A 20131120; RU 2539502 C2 20150120; SI 2485946 T1 20151030; UA 104492 C2 20140210; US 2012186464 A1 20120726; US 8820227 B2 20140902

DOCDB simple family (application)

EP 2010006145 W 20101008; AU 2010305041 A 20101008; BR 112012008242 A 20101008; CA 2777027 A 20101008; CN 201080046875 A 20101008; EP 10768406 A 20101008; ES 10768406 T 20101008; JP 2012532494 A 20101008; KR 20127007389 A 20101008; MX 2012003970 A 20101008; MY PI2012700130 A 20101008; PL 10768406 T 20101008; RU 2012116354 A 20101008; SI 201031012 T 20101008; UA A201205660 A 20101008; US 201013390966 A 20101008