

Title (en)
MOBILE STRAPPING DEVICE

Title (de)
MOBILE UMREIFUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE BANDEROLAGE MOBILE

Publication
EP 2271553 A1 20110112 (DE)

Application
EP 09735850 A 20090106

Priority
• CH 2009000002 W 20090106
• CH 6462008 A 20080423

Abstract (en)
[origin: WO2009129634A1] A mobile strapping device (1) for strapping packaged goods with wrap-around strap, comprising a tensioner (6) for applying a strap tension to a loop of a wrapping strap, and a friction welder (10) for producing a friction weld connection in two areas of the loop of the wrapping strap disposed one on top of the other, and a chargeable energy storage means (15) for storing energy, in particular electrical, mechanical, elastic or potential energy, that can be released as drive energy at least for the friction welder for producing a friction weld connection, is intended to be improved upon with regard to the handling and operating properties thereof. To this end, it is proposed that the strapping device be provided with a common drive for the tensioner for producing a tensioning motion, and for the friction welder for producing an oscillating friction welding motion and for a transitioning device (19) for producing a transitioning motion of the friction welder from a rest position to a welding position.

IPC 8 full level
B65B 13/02 (2006.01); **B65B 13/18** (2006.01); **B65B 13/32** (2006.01); **G01N 27/22** (2006.01); **G01N 33/36** (2006.01)

CPC (source: CN EP US)
B65B 13/02 (2013.01 - CN); **B65B 13/025** (2013.01 - EP US); **B65B 13/18** (2013.01 - CN); **B65B 13/187** (2013.01 - EP US);
B65B 13/32 (2013.01 - CN); **B65B 13/322** (2013.01 - EP US)

Citation (search report)
See references of WO 2009129634A1

Cited by
AT514814A4; AT514803A4; US11999516B2; WO2015089539A1; WO2014194434A1; US9994341B2; US10640244B2; EP2994391A1;
US10220971B2; US10513358B2; US10689140B2; US11312519B2; USD864688S; USD874897S; USD889229S; USD904151S; USD917997S;
USD928577S; US9932135B2; US9938029B2; US10518914B2; US11530059B2; US11731794B2

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009129634 A1 20091029; CN 102026874 A 20110420; CN 105173166 A 20151223; CN 105173166 B 20190104;
CN 201411060 Y 20100224; EP 2271553 A1 20110112; EP 2271553 B1 20130410; ES 2417729 T3 20130809; JP 2011518086 A 20110623;
KR 101603296 B1 20160314; KR 20110004392 A 20110113; PL 2271553 T3 20130930; RU 2010147637 A 20120527;
RU 2471689 C2 20130110; US 2011056390 A1 20110310; US 9284080 B2 20160315

DOCDB simple family (application)
CH 2009000002 W 20090106; CN 200920001417 U 20090106; CN 200980115057 A 20090106; CN 201510593439 A 20090106;
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