

Title (en)

STRAPPING DEVICE WITH AN ELECTRICAL DRIVE

Title (de)

UMREIFUNGSVORRICHTUNG MIT EINEM ELEKTRISCHEN ANTRIEB

Title (fr)

DISPOSITIF DE BANDEROLAGE COMPORTANT UN ENTRAÎNEMENT ÉLECTRIQUE

Publication

EP 2285690 A1 20110223 (DE)

Application

EP 09734834 A 20090106

Priority

- CH 2009000005 W 20090106
- CH 6492008 A 20080423

Abstract (en)

[origin: WO2009129637A1] 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 connector (10) for producing a 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 that can be released as drive energy for motorized drive motions at least for the connector and/or for the tensioner, is intended to have high functional reliability and ease of handling despite the possibility of automated production of wrapped straps, at least to a large extent. In order to accomplish this, it is proposed that the strapping device be provided with a brushless DC motor as a drive for the tensioner and/or the connector.

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 13/027** (2013.01 - EP US); **B65B 13/187** (2013.01 - EP US); **B65B 13/22** (2013.01 - EP US); **B65B 13/322** (2013.01 - EP US); **B65B 13/327** (2013.01 - EP)

Citation (examination)

- DE 19751861 A1 19990107 - BOHLIG DIETER [DE]
- EP 0744343 A1 19961127 - ORGAPACK AG [CH]
- US 2003145900 A1 20030807 - JENSEN KIM M [DK], et al
- See also references of WO 2009129637A1

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 2009129637 A1 20091029; CN 102026873 A 20110420; CN 102026873 B 20160518; CN 201411057 Y 20100224; EP 2285690 A1 20110223; EP 3549876 A2 20191009; EP 3549876 B1 20210310; EP 3819084 A2 20210512; EP 3819084 A3 20210804; EP 4438503 A2 20241002; ES 2861948 T3 20211006; JP 2011518089 A 20110623; KR 101613251 B1 20160418; KR 20110005821 A 20110119; RU 2010147634 A 20120527; RU 2531628 C2 20141027; US 2011100233 A1 20110505; US 9254932 B2 20160209

DOCDB simple family (application)

CH 2009000005 W 20090106; CN 200920001414 U 20090106; CN 200980115056 A 20090106; EP 09734834 A 20090106; EP 18000027 A 20090106; EP 20212224 A 20090106; EP 24193865 A 20090106; ES 18000027 T 20090106; JP 2011505339 A 20090106; KR 20107023737 A 20090106; RU 2010147634 A 20090106; US 98935509 A 20090106