Title (en)

DRIVE UNIT FOR A STRAPPING DEVICE

Title (de)

ANTRIEBSEINHEIT FÜR EIN UMREIFUNGSGERÄT

Title (fr)

UNITÉ D'ENTRAÎNEMENT POUR OUTIL DE CERCLAGE

Publication

EP 3180249 B1 20180912 (DE)

Application

EP 15747095 A 20150722

Priority

- DE 102014011929 A 20140814
- EP 2015001526 W 20150722

Abstract (en)

[origin: CA2957230A1] The invention relates to a drive unit for a strapping device for strapping an item to be packed with a plastic tape which is laid around it, having a motorized tensioning device and a motorized welding device for the plastic tape, wherein the tensioning and the welding device can be driven by the same electric motor (1) which can be brought alternatively into an operative connection with said devices with freewheels (4, 5) being connected in between. The problem has occurred in drive units of this type that they are relatively complicated to assemble and have problematic operational reliability under certain boundary conditions. In order to bypass said problems, it is proposed to provide the electric motor (1) with at least one shell extension (22) which protrudes beyond it at one axial end, with the result that the drive elements which have up to now been mounted separately in the housing of a strapping device can be supported directly on the electric motor which then acts as a drive unit.

IPC 8 full level

B65B 13/02 (2006.01); **B65B 13/18** (2006.01); **B65B 13/22** (2006.01); **B65B 13/32** (2006.01); **B65B 51/22** (2006.01)

CPC (source: CN EP KR US)

B65B 13/025 (2013.01 - CN EP KR US); **B65B 13/18** (2013.01 - CN); **B65B 13/187** (2013.01 - US); **B65B 13/22** (2013.01 - US); **B65B 13/322** (2013.01 - US); **B65B 51/222** (2013.01 - KR); B65B 51/222 (2013.01 - EP 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)

DE 102014011929 A1 20160218; BR 112017000983 A2 20171121; BR 112017000983 B1 20210928; CA 2957230 A1 20160218; CA 2957230 C 20220830; CN 106573688 A 20170419; CN 106573688 B 20190503; EP 3180249 A1 20170621; EP 3180249 B1 20180912; KR 102383201 B1 20220405; KR 20170042563 A 20170419; US 10882649 B2 20210105; US 2017233118 A1 20170817; WO 2016023616 A1 20160218

DOCDB simple family (application)

DE 102014011929 A 20140814; BR 112017000983 A 20150722; CA 2957230 A 20150722; CN 201580043375 A 20150722; EP 15747095 A 20150722; EP 2015001526 W 20150722; KR 20177002068 A 20150722; US 201515503561 A 20150722