

Title (en)  
Drive device for a strapping tool

Title (de)  
Antriebseinrichtung für ein Umreifungsgerät

Title (fr)  
Dispositif d'entraînement pour un appareil de cerclage

Publication  
**EP 1413519 B1 20070314 (DE)**

Application  
**EP 03405745 A 20031016**

Priority  
CH 17922002 A 20021025

Abstract (en)  
[origin: EP1413519A1] A packed load e.g. a pallet load is secured by straps which are applied and tightened by a motor-powered hand-held hoop casing machine. The hoop casing machine has a gear drive, a strap tightening unit, a welding unit and a strap cutter. The gear drives a pulley belt.

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

CPC (source: EP)  
**B65B 13/187** (2013.01)

Cited by  
DE102015111051A1; WO2013052446A1; EP3696103A1; US11932430B2; US2011056389A1; JP2011518085A; US9174752B2; US2011056390A1; RU2471689C2; CN105173166A; US9284080B2; EP3696102A1; US2011056391A1; CN102046472A; RU2471688C2; US9315283B2; EP3048053A1; AU2016202406B2; US11999516B2; US9193486B2; US2011100233A1; JP2011518089A; CN103587762A; US9254932B2; EP3819084A3; WO2009129634A1; WO2009087216A3; DE202016102835U1; US10577137B2; US11155375B2; US9994341B2; US10640244B2; US8287672B2; US10227149B2; US11597547B2; WO2009129635A1; WO2009129637A1; US10220971B2; US10513358B2; US10689140B2; US11312519B2; USD864688S; USD874897S; USD889229S; USD904151S; USD917997S; USD928577S; US11414225B2; US9272799B2; US10183769B2; US10464699B2; US11097863B2; US11718430B2; DE202015009004U1; EP3272659A1; US10518914B2; US11530059B2; US11731794B2; WO2009129633A1; WO2021203846A1; WO2022052987A1; US9932135B2; US9938029B2; US10370132B2; US11267596B2; US11352153B2; US11524801B2; US11560245B2; US11667417B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1413519 A1 20040428; EP 1413519 B1 20070314**; AT E356748 T1 20070415; DE 50306793 D1 20070426; ES 2283737 T3 20071101

DOCDB simple family (application)  
**EP 03405745 A 20031016**; AT 03405745 T 20031016; DE 50306793 T 20031016; ES 03405745 T 20031016