

Title (en)  
Device for strapping articles

Title (de)  
Vorrichtung zum Umreifen von Packstücken

Title (fr)  
Dispositif pour cercler des emballages

Publication  
**EP 2778075 B1 20150603 (DE)**

Application  
**EP 14000907 A 20140313**

Priority  
DE 102013004448 A 20130315

Abstract (en)  
[origin: EP2778075A1] The device (10) has a packing table (11), on top of which a package (14) to be strapped is mounted, and an insertion unit (24) that is provided to supply the package surrounded by a strapping unit channel of a tensioning- and sealing device. An edge protection unit (20) is arranged by an arrangement unit. A discharge unit is arranged in the gravitational direction below a magazine (19). The discharge unit is arranged on top of a back bend drag chain, through which the discharge unit is moved parallel to the receiving surface. A separating bar has retaining teeth on an abutment surface.

IPC 8 full level  
**B65B 13/18** (2006.01); **B65B 41/08** (2006.01); **B65B 43/20** (2006.01); **B65H 1/06** (2006.01); **B65H 3/24** (2006.01)

CPC (source: EP)  
**B65B 13/181** (2013.01); **B65B 43/205** (2013.01); **B65H 1/06** (2013.01); **B65H 3/24** (2013.01); **B65H 2403/412** (2013.01); **B65H 2404/313** (2013.01)

Cited by  
DE102019117949A1; DE102019117949B4; US11691770B2; US10099808B2; US11505344B2; US10926902B2; US11491752B2; US11801954B2; EP3760549A1; US11618599B2

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 102013004448 B3 20140306**; EP 2778075 A1 20140917; EP 2778075 B1 20150603; ES 2546636 T3 20150925

DOCDB simple family (application)  
**DE 102013004448 A 20130315**; EP 14000907 A 20140313; ES 14000907 T 20140313