

Title (en)

Device and method for the separation of parts of a multi-part product

Title (de)

Vorrichtung und Verfahren zum Separieren von Produktteilen eines mehrteiligen Produktes

Title (fr)

Dispositif et procédé de séparation de parties de produit d'un produit en plusieurs parties

Publication

EP 2837587 A3 20150429 (DE)

Application

EP 14180207 A 20140807

Priority

CH 13822013 A 20130812

Abstract (en)

[origin: US2015042029A1] The device for separating product parts of a multi-part, flat product includes a receiving unit for receiving the product, a device for separating the product parts and a retaining device for acting on one of the product parts for the purpose of maintaining the separation of the product parts. The receiving unit includes a first friction element and a second friction element, which is movable with respect to the first friction element. The two friction elements are arranged on the receiving unit such that the product can be firmly clamped between the friction elements. The friction elements are designed such that the static friction between the product part and the friction element assigned to this is greater than the static friction between the product parts, so that the product parts can be moved with respect to one another given a relative movement between the two friction elements firmly clamping the product.

IPC 8 full level

B65H 5/30 (2006.01); **B65H 5/02** (2006.01); **B65H 5/36** (2006.01); **B65H 39/065** (2006.01)

CPC (source: EP US)

B65H 5/021 (2013.01 - EP US); **B65H 5/30** (2013.01 - US); **B65H 5/305** (2013.01 - EP US); **B65H 5/36** (2013.01 - EP US); **B65H 39/065** (2013.01 - EP US); **B65H 2301/431711** (2013.01 - EP US); **B65H 2301/431716** (2013.01 - EP US); **B65H 2301/432** (2013.01 - US); **B65H 2301/44331** (2013.01 - EP US); **B65H 2301/44732** (2013.01 - EP US); **B65H 2301/44765** (2013.01 - EP US); **B65H 2404/64** (2013.01 - EP US); **B65H 2405/57** (2013.01 - US); **B65H 2405/5812** (2013.01 - EP US); **B65H 2701/1313** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2301/44765** + **B65H 2220/02**
2. **B65H 2301/44732** + **B65H 2220/01**

Citation (search report)

- [X] US 1202809 A 19161031 - CURRY CLAUD D [US]
- [AD] EP 2297014 B1 20120118 - FERAG AG [CH]
- [A] EP 1992580 A2 20081119 - FERAG AG [CH]
- [A] US 6554268 B1 20030429 - KELLER ALEX [CH], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2837587 A2 20150218; **EP 2837587 A3 20150429**; AU 2014210673 A1 20150226; AU 2014210673 B2 20171221; CH 708427 A1 20150213; US 2015042029 A1 20150212; US 9227803 B2 20160105

DOCDB simple family (application)

EP 14180207 A 20140807; AU 2014210673 A 20140811; CH 13822013 A 20130812; US 201414455315 A 20140808