

Title (en)

DEVICE AND METHOD FOR RAPID PRODUCTION OF A THREE-DIMENSIONAL PACKAGING PRODUCT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SCHNELLEN FERTIGEN EINES DREIDIMENSIONALEN VERPACKUNGSERZEUGNISSES

Title (fr)

DISPOSITIF ET PROCEDE DE FABRICATION RAPIDE D'UN PRODUIT D'EMBALLAGE TRIDIMENSIONNEL

Publication

**EP 3202564 B1 20210922 (DE)**

Application

**EP 17000506 A 20130925**

Priority

- DE 102012018867 A 20120925
- EP 14002435 A 20130925
- EP 13004663 A 20130925

Abstract (en)

[origin: EP2711167A1] The device has a preform station transforming a paper web into a three-dimensional packaging product with a crush cavity that extends in a web direction. A separation station separates a paper web portion to desired length of the product from the preformed paper web. The separation station comprises a rotation cutter (173) whose cutting edge (175) lies transverse to a conveying direction (F) in which the paper web portion exits the preform station. A circulation path of the cutting edge is arranged such that the cutting edge crosses a circulation path of the paper web portion during rotation. An independent claim is also included for a method for manufacturing a three-dimensional packaging product.

IPC 8 full level

**B31D 5/00** (2017.01)

CPC (source: EP US)

**B31D 5/0047** (2013.01 - EP US); **B31D 5/006** (2013.01 - EP); **B65D 5/5035** (2013.01 - EP); **B65D 81/05** (2013.01 - EP);  
**B31D 2205/0047** (2013.01 - EP); **B31D 2205/0052** (2013.01 - EP); **B31D 2205/0058** (2013.01 - EP); **B31D 2205/0064** (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)

**EP 2711167 A1 20140326; EP 2711167 B1 20160413**; DE 102012018867 A1 20140327; DK 3202564 T3 20220103; EP 2799221 A2 20141105;  
EP 2799221 A3 20141231; EP 2799221 B1 20170329; EP 3202564 A1 20170809; EP 3202564 B1 20210922; ES 2581509 T3 20160906;  
ES 2629173 T3 20170807; ES 2902388 T3 20220328; HU E057146 T2 20220428; PL 2711167 T3 20161031; PL 2799221 T3 20171130;  
PL 3202564 T3 20220131

DOCDB simple family (application)

**EP 13004663 A 20130925**; DE 102012018867 A 20120925; DK 17000506 T 20130925; EP 14002435 A 20130925; EP 17000506 A 20130925;  
ES 13004663 T 20130925; ES 14002435 T 20130925; ES 17000506 T 20130925; HU E17000506 A 20130925; PL 13004663 T 20130925;  
PL 14002435 T 20130925; PL 17000506 T 20130925