

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 procédé de fabrication rapide d'un élément d'emballage tridimensionnel

Publication

**EP 2711167 B1 20160413 (DE)**

Application

**EP 13004663 A 20130925**

Priority

DE 102012018867 A 20120925

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** (2006.01)

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)

Cited by

DE102021125142A1; DE102021125083A1; DE102021125147A1; WO2018166918A2; US11548256B2; DE102021125090A1; DE102021125092A1; DE102021125103A1; WO2023052439A3; DE102017115918A1; WO2019012053A1; EP4289612A2

Designated contracting state (EPC)

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