

Title (en)

Method and apparatus for removing flat carton blanks from a magazine and for erecting the blanks

Title (de)

Verfahren und Vorrichtung für die Entnahme von flach zusammengelegten Faltkartons aus einem Magazin und für das Aufrichten der Kartons

Title (fr)

Procédé et dispositif pour enlever d'un magasin des boîtes empilées aplaties et pour redresser les boîtes

Publication

**EP 1428759 A3 20040922 (DE)**

Application

**EP 03028061 A 20031208**

Priority

DE 10257597 A 20021209

Abstract (en)

[origin: EP1428759A2] Production of (folding) boxes (20) comprises removing a preferably lowermost flat-lying box using a removal element, especially a suction element, from a magazine (26) partly into a removal device. To remove the box from the magazine an element, especially a web (36), is moved perpendicularly to the removal device between the magazine and the partly removed box. An Independent claim is also included for a device used in the production of (folding) boxes. Preferred Features: After removal from the magazine the box is transported on a continuous conveyor (30) in the direction of an assembly station for assembly of the box into a three-dimensional, especially tubular form.

IPC 1-7

**B65B 43/18**; B65H 3/08; B65H 3/32; B31B 1/06; B31B 5/80

IPC 8 full level

**B31B 1/06** (2006.01); **B31B 5/80** (2006.01); **B31B 50/06** (2017.01); **B65B 43/18** (2006.01); **B65B 43/26** (2006.01); **B65H 3/08** (2006.01); **B65H 3/32** (2006.01)

CPC (source: EP US)

**B65B 43/185** (2013.01 - EP); **B65B 43/265** (2013.01 - EP); **B65H 3/0858** (2013.01 - EP US); **B65H 3/32** (2013.01 - EP); **B31B 50/064** (2017.07 - EP); **B31B 50/80** (2017.07 - EP); **B31B 50/804** (2017.07 - EP); **B31B 2100/00** (2017.07 - EP US); **B31B 2120/30** (2017.07 - EP US)

Citation (search report)

- [XY] DE 1137746 B 19621011 - OTTO HAENSEL JUNIOR G M B H
- [Y] DE 1128799 B 19620426 - FMC CORP
- [X] US 937807 A 19091026 - HODGE ARTHUR J [US]
- [A] DE 20104571 U1 20020425 - KETTNER GMBH [DE]

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