

Title (en)

Automatic device for producing cut, folded and piled products

Title (de)

Automatische Vorrichtung zur Herstellung geschnittener, gefalteter und gestapelter Produkte

Title (fr)

Dispositif automatique pour produire des produits coupés, pliés et empilés

Publication

**EP 1764331 A1 20070321 (EN)**

Application

**EP 06118599 A 20060808**

Priority

IT TO20050631 A 20050915

Abstract (en)

Assembly for manufacturing products starting from at least one continuous trip (14) of flexible material advancing in longitudinal direction. The assembly comprises: a cutting unit (18) comprising a cutting cylinder (24) and an abutting cylinder (26) rotatable around respective axes, mutually parallel and co-operating with each other to cut the continuous strip (14) in transverse direction and form successive strip segments (14a) whose length is twice the length of a product; a bending and transfer cylinder (20), rotatable around an axis that is parallel to the axes of rotation of the cutting cylinder (24) and of the abutting cylinder (26) and comprising a plurality of actuated pincers (34), able to grip a central area of a cut strip segment (14a), in which the bending and transfer cylinder (20) draws, by means of said pincers (34), successive strip segments at the abutting cylinder (36) and transfers the successive strip segments (14a) towards a release area (36) and in which during said transfer operation the successive strip segments (14a) are bent in half around a transverse bending line, and a station for forming product packs (54) situated at said release area (36), in which successive bent strip segments (14a) each forming a product are detached from the bending and transfer cylinder (20) and piled on a movable pan (56) which moves progressively away from the bending and transfer cylinder (20) as the thickness of the pile of products increases.

IPC 8 full level

**B65H 45/16** (2006.01)

CPC (source: EP)

**B65H 29/06** (2013.01); **B65H 31/12** (2013.01); **B65H 31/3081** (2013.01); **B65H 45/165** (2013.01); **B65H 45/28** (2013.01); **B65H 2301/4212** (2013.01); **B65H 2301/42266** (2013.01)

Citation (applicant)

- EP 1371592 A2 20031217 - TOKYO KIKAI SEISAKUSHO LTD [JP]
- EP 0234281 A2 19870902 - HOBEMA MASCHF HERMANN [DE]

Citation (search report)

- [Y] EP 1371592 A2 20031217 - TOKYO KIKAI SEISAKUSHO LTD [JP]
- [Y] EP 0234281 A2 19870902 - HOBEMA MASCHF HERMANN [DE]
- [A] EP 0411366 A2 19910206 - ROLAND MAN DRUCKMASCH [DE]
- [A] WO 9828216 A1 19980702 - KOENIG & BAUER ALBERT AG [DE], et al
- [A] EP 0516068 A1 19921202 - GIEBELER GMBH & CO KG ROBERT [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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