

Title (en)

METHOD AND DEVICE FOR FORMING A CORRUGATED CARDBOARD BOX AROUND A MANDREL WITH REFERENCE EDGE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES WELLPAPPKARTONS UM EINEN DORN MIT REFERENZKANTE

Title (fr)

PROCEDE ET DISPOSITIF DE FORMATION D'UNE BOITE EN CARTON ONDULE AUTOUR D'UN MANDRIN AVEC ARETE DE REFERENCE

Publication

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Application

**EP 13706617 A 20130201**

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Abstract (en)

[origin: WO2013114057A2] The invention relates to a method and device for producing a corrugated cardboard box through gluing, based on a cut-out (43), comprising a series of flaps comprising at least four main rectangular flaps with a rectangular fastening tab (49) at the end, said box being arranged to be automatically installed around a mandrel (55, 56) of which the shape complements the inside of the box. The flat cut-out is removed from a stack by taking the top cut-out from a constant-level vertical storage facility of a stack (21) of cut-outs (22), after gluing the tab (49) and flaps, said cut-out is placed in a predetermined location, and the main flap is moved to be adjacent (44) to the main flap (47) to which the fastening tab (49) is connected, exactly opposite a lower or upper surface (45) of the mandrel, such that the lower or upper edges (53) of the mandrel are exactly opposite the fold lines of the cut-out opposite thereto, then said adjacent flap is pressed against the mandrel by upward or downward movement, the flaps are automatically folded around the edges of the mandrel, and the tab (49) previously glued onto the side edge of the adjacent flap by pressure is then pressed against said tab around a reference edge (51) of the mandrel on the side opposite said lower or upper surface.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013114057A2

Cited by

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