

Title (en)

A method for manufacturing of cardboard boxes and a cardboard box

Title (de)

Verfahren zur Herstellung von Kartonschachteln sowie Kartonschachtel

Title (fr)

Procédé de fabrication de boîtes en carton et boîte en carton

Publication

EP 2641731 A2 20130925 (EN)

Application

EP 12183020 A 20120904

Priority

PL 39852112 A 20120320

Abstract (en)

A method for manufacturing of cardboard boxes from at least two cardboard sheets, comprising the steps of laminating the sheets on one side with pre-printed paper sheets having a smoothness higher than the smoothness of the surface of the cardboard sheet, die-cutting the sheets to a desired shape of die-cut pieces, joining the folded flaps (21) of the die-cuts, thus forming a box in a flat form. Before joining the die-cuts with glue using a gluer, the flaps of the die-cuts are perforated using a rotary perforating head (11) equipped with a rotatable mandrel (14) having an adjustable height, on which there are replaceably mounted rotary toothed cutting blades (12), wherein the height of the mandrel is adjusted to a value resulting in the depth of the cuts from 10% to 90% of the thickness of the laminated cardboard.

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN106976272A; CN107140276A; CN113997632A; CN114347139A; WO2021076336A1

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