

Title (en)

Method and apparatus for automatically forming cardboard boxes from a flat unfinished board

Title (de)

Verfahren und Vorrichtung zur automatischen Herstellung von Kartons aus flachem Material

Title (fr)

Procédé pour la fabrication automatique des cartons à partir de matériel plat

Publication

EP 1068947 B1 20040331 (EN)

Application

EP 99830419 A 19990630

Priority

EP 99830419 A 19990630

Abstract (en)

[origin: EP1068947A1] This invention relates to a method and an apparatus for automatically forming open-top parallelepipedic board containers or cartons (2) from flattened blanks (3) stacked inside a carton blank magazine (4), each blank basically comprising the sidewalls (PL,PC) of the ultimate carton, a first pair (PL,PC) of upper walls being juxtaposed to a second pair (PC,PL) of lower walls in a substantially flat configuration. The method comprises the successive steps of: picking up a carton blank (3) from the magazine (4) by individually gripping the first blank (3) with a robot (40) of the pick-and-place type having a tooling head (45) provided with a gripper means (47,48) which is applied to the first pair (PL,PC) of upper walls of the blank (3); positioning the blank (3) on a supporting deck (35) equipped with a holding means (36), and applying the means (36) to just one wall (PL) in the second pair (PC,PL) of lower walls; opening up the blank (3) by moving the tooling head (45) away from the supporting deck (35) along a predetermined blank unfolding (opening up) path to obtain a substantially box-like open-ended structure. <IMAGE>

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