

Title (en)

AN APPARATUS FOR MANUFACTURING A PACKAGE FROM A SHEET OF MATERIAL AND A METHOD OF MANUFACTURING THE PACKAGE FROM THE SHEET OF MATERIAL

Title (de)

VORRICHTUNG ZUM HERSTELLEN EINER VERPACKUNG AUS EINER MATERIALBAHN UND VERFAHREN ZUR HERSTELLUNG DER VERPACKUNG AUS DER MATERIALBAHN

Title (fr)

APPAREIL DE FABRICATION D'UN EMBALLAGE À PARTIR D'UNE FEUILLE DE MATÉRIAU ET PROCÉDÉ DE FABRICATION DE L'EMBALLAGE À PARTIR DE LA FEUILLE DE MATÉRIAU

Publication

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Application

EP 22172693 A 20220511

Priority

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Abstract (en)

An apparatus and a method for manufacturing a package from a sheet of material, preferably a sheet of cardboard or corrugated material, wherein said sheet of material comprises sheet portions defining a bottom wall and a side wall connected, via a folding line, to said bottom wall, wherein said apparatus is provided with a module comprising:- a plurality of receiving organs comprising a receiving space bound by a wall defining at least partly an outer shape of said package and each arranged for receiving said package, wherein said plurality of receiving organs are each attached to a rotation axis for simultaneously rotating said plurality of receiving organs about said rotation axis;- a folding unit arranged for folding said sheet of material, thereby creating a folded sheet of material, and pressing said folded sheet of material into said receiving space of one of said plurality of receiving organs;- a locking unit arranged for locking a section of said sheet of material, preferably said side wall, to another section of said sheet of material, preferably said side wall, while said folded sheet of material is located in said receiving space of said one of said plurality of receiving organs thereby creating said package.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XAY] EP 3299158 A1 20180328 - FOCKE & CO [DE]
- [A] GB 309496 A 19300522 - SCHMIDT KARL
- [Y] US 3067654 A 19621211 - EDWARD NICHOLS LAWRENCE
- [A] DE 2431666 A1 19750116 - GOOSSENS SA
- [A] US 3868893 A 19750304 - SUTCH BRIAN LEO CHUDLEIGH
- [A] GB 1444640 A 19760804 - BAKER PERKINS HOLDINGS LTD

Designated contracting state (EPC)

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