

Title (en)

METHOD AND DEVICE FOR FORMING AND FOLDING A CARDBOARD PACKAGING BOX

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN UND FALTEN EINER VERPACKUNGSSCHACHTEL AUS KARTON

Title (fr)

PROCEDE ET DISPOSITIF DE MISE EN FORME ET DE PLIAGE D'UNE BOITE D'EMBALLAGE EN CARTON

Publication

EP 1351811 A1 20031015 (FR)

Application

EP 02711948 A 20020114

Priority

- FR 0200120 W 20020114
- FR 0100508 A 20010115

Abstract (en)

[origin: WO02055292A1] The invention concerns a device for forming and folding a rectangular or square packaging box from a pre-cut and flat pre-folded cardboard sheet, comprising: a base (14) supporting a frame having an orifice (22) in the central part, a first pair of actuating elements mounted pivoting on said base (14) being symmetrically arranged on either side of the orifice (22) to actuate the two lateral flaps (36a, 36b), a second pair of actuating elements mounted pivoting on said base (14) for actuating the two transverse flaps (38a, 38b), a stop element (16) for manually shaping the box (12), and means for successively driving the two pairs of actuating elements for automatic folding of said flaps when forming the base of the box.

IPC 1-7

B31B 5/78

IPC 8 full level

B31B 5/78 (2006.01); **B31B 50/99** (2017.01)

CPC (source: EP US)

B31B 50/782 (2017.07 - EP US); **B31B 70/00** (2017.07 - EP); **B31B 50/0044** (2017.07 - EP); **B31B 50/784** (2017.07 - EP); **B31B 2100/00** (2017.07 - EP); **B31B 2120/30** (2017.07 - EP); **B31B 2160/10** (2017.07 - EP); **B31B 2247/00** (2013.01 - EP)

Citation (search report)

See references of WO 02055292A1

Designated contracting state (EPC)

AT BE CH CY DE FR LI LU NL

DOCDB simple family (publication)

WO 02055292 A1 20020718; EP 1351811 A1 20031015; FR 2819447 A1 20020719; FR 2819447 B1 20030704

DOCDB simple family (application)

FR 0200120 W 20020114; EP 02711948 A 20020114; FR 0100508 A 20010115