

Title (en)

FORMING MACHINE FOR CARDBOARD BOXES OR THE LIKE

Title (de)

MASCHINE ZUM FORMEN VON PAPPSCHACHTELN ODER DERGLEICHEN

Title (fr)

MACHINE A FORMER DES BOITES EN CARTON OU SIMILAIRES

Publication

**EP 1005416 B1 20011017 (EN)**

Application

**EP 98937772 A 19980730**

Priority

- IT 9800221 W 19980730
- IT UD970146 A 19970818

Abstract (en)

[origin: WO9908864A1] The present invention relates to a forming machine for cardboard boxes or the like comprising: a store (2) containing a plurality of flattened cardboard boxes (3); a device (4) for extracting one cardboard box (3) at a time from the store (2) and for pushing it along a horizontal support surface (11); a pair of cams (23) which are designed to bend slightly downwards the smaller of the two upper flaps (8') so as to create an opening (18) towards the inside of the cardboard box (3), arranged between the two larger flaps (8", 9"); a member (16) for opening the cardboard box (3), consisting of a thin blade (25) with which an arm (26) which can be actuated in the manner of a compass is hinged and movable between a first closed position (C) where it is inserted inside the opening (18) between the flaps (8, 9) and a second open position (D) where it opens at least partially the cardboard box (3), acting from the inside of the cardboard box (3) itself; a flap-folding device (6) for closing the base of the cardboard box (3); a device for applying glue or the like (7) onto the flaps (8', 9') of the base; a press (12) for pressing the base of the cardboard box (3).

IPC 1-7

**B31B 5/78**

IPC 8 full level

**B31B 5/78** (2006.01)

CPC (source: EP US)

**B31B 50/00** (2017.07 - EP); **B31B 50/064** (2017.07 - EP); **B31B 50/786** (2017.07 - EP US); **B31B 50/004** (2017.07 - EP); **B31B 2100/00** (2017.07 - EP); **B31B 2120/30** (2017.07 - EP)

Cited by

CN113442504A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

**WO 9908864 A1 19990225**; AT E207007 T1 20011115; AU 8646098 A 19990308; DE 69802101 D1 20011122; DE 69802101 T2 20020704; EP 1005416 A1 20000607; EP 1005416 B1 20011017; IT 1295736 B1 19990527; IT UD970146 A1 19990218

DOCDB simple family (application)

**IT 9800221 W 19980730**; AT 98937772 T 19980730; AU 8646098 A 19980730; DE 69802101 T 19980730; EP 98937772 A 19980730; IT UD970146 A 19970818