

Title (en)

Apparatus for folding flaps on carton blanks

Title (de)

Vorrichtung zum Falten der Laschen eines Schachtelzuschnittes

Title (fr)

Dispositif de pliage de pattes de découpes de boîtes

Publication

**EP 1637316 A1 20060322 (FR)**

Application

**EP 04405602 A 20040920**

Priority

EP 04405602 A 20040920

Abstract (en)

The device has a connection plate associated to slides (12) and tightening arms (13) to fix the plate along a support crosspiece (10) integrated to a frame (B) of a folder-gluer. The slides and arms adjust position of a folding arm (6) relative to the crosspiece. An encoder (16) is connected with a driving mechanism (9) of blanks and a laser cell (14) detects passage of the blanks at a reference position to synchronize a driving motor.

IPC 8 full level

**B31B 5/78** (2006.01); **B31B 50/54** (2017.01); **B31B 50/56** (2017.01); **B65B 43/26** (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP KR US)

**B31B 50/00** (2017.07 - EP US); **B31B 50/006** (2017.07 - KR); **B31B 50/262** (2017.07 - KR); **B31B 50/52** (2017.07 - EP KR US); **B31B 50/54** (2017.07 - KR); **B31B 50/786** (2017.07 - KR); **B31B 50/006** (2017.07 - EP US); **B31B 50/262** (2017.07 - EP US); **B31B 50/54** (2017.07 - EP US); **B31B 50/786** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP KR US); **B31B 2120/30** (2017.07 - EP KR US)

Citation (search report)

- [A] US 4432745 A 19840221 - ELDRIDGE CHARLES W [US]
- [A] EP 0481580 A1 19920422 - INT PAPER BOX MACHINE [US]
- [DA] FR 2597027 A1 19871016 - BOBST SA [CH]
- [A] CH 464671 A 19681031 - BOBST FILS SA J [CH]
- [DA] US 3330185 A 19670711 - ANNETT DONALD S, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1637316 A1 20060322; EP 1637316 B1 20070103**; AT E350213 T1 20070115; CN 100450765 C 20090114; CN 1762689 A 20060426; DE 602004004130 D1 20070215; DE 602004004130 T2 20071115; JP 2006088700 A 20060406; JP 4328751 B2 20090909; KR 100684089 B1 20070216; KR 20060051441 A 20060519; TW 200610705 A 20060401; TW I293054 B 20080201; US 2006063655 A1 20060323; US 7309307 B2 20071218

DOCDB simple family (application)

**EP 04405602 A 20040920**; AT 04405602 T 20040920; CN 200510113311 A 20050920; DE 602004004130 T 20040920; JP 2005270579 A 20050916; KR 20050087451 A 20050920; TW 94128176 A 20050818; US 23000505 A 20050919