

Title (en)

Device for assembling panels in a box manufacturing machine

Title (de)

Vorrichtung zum Zusammensetzen von Zuschnitten in einer Maschine zum Herstellen von Schachteln

Title (fr)

Dispositif d'assemblage d'éléments en plaque pour une machine de fabrication de boîtes

Publication

EP 1640146 A2 20060329 (FR)

Application

EP 05018144 A 20050822

Priority

CH 15742004 A 20040927

Abstract (en)

The device has a plate unit positioning unit (8) comprising an assembling unit assembling plate units e.g. paper sheet, together. The unit (8) comprises of a fixed lateral stop (19a) and movable stops (19b, 19c) for aligning the plate units longitudinally and transversally. A feed device (2) comprises of a set of modulatory feeders (6a, 6b, 6c) that are disposed side by side along the length of the device.

IPC 8 full level

B31B 1/90 (2006.01); **B31B 17/02** (2006.01); **B31B 17/60** (2006.01); **B31B 50/00** (2017.01); **B31B 50/02** (2017.01); **B31B 50/04** (2017.01); **B31B 50/06** (2017.01)

CPC (source: EP KR US)

B31B 50/00 (2017.07 - EP US); **B31B 50/042** (2017.07 - EP KR US); **B31B 50/044** (2017.07 - KR); **B31B 50/024** (2017.07 - EP US); **B31B 50/062** (2017.07 - EP US); **B31B 50/064** (2017.07 - EP US); **B31B 50/60** (2017.07 - EP US); **B31B 50/8122** (2017.07 - EP US); **B31B 2100/002** (2017.07 - KR); **B31B 2105/00** (2017.07 - EP US); **B31B 2120/00** (2017.07 - EP US)

Citation (applicant)

- FR 2816879 A1 20020524 - ESATEC ETUDES SERVICES AUTOMAT [FR]
- CH 575826 A5 19760531 - BOBST FILS SA J

Cited by

CN104553052A; CN102040099A; DE102008048288A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1640146 A2 20060329; **EP 1640146 A3 20060412**; **EP 1640146 B1 20071031**; AT E376924 T1 20071115; CN 100475514 C 20090408; CN 1765619 A 20060503; DE 602005003084 D1 20071213; DE 602005003084 T2 20080814; ES 2294612 T3 20080401; JP 2006096043 A 20060413; JP 4328752 B2 20090909; KR 100732902 B1 20070627; KR 20060051700 A 20060519; TW 200610645 A 20060401; TW I261025 B 20060901; US 2006068981 A1 20060330; US 7331915 B2 20080219

DOCDB simple family (application)

EP 05018144 A 20050822; AT 05018144 T 20050822; CN 200510113403 A 20050927; DE 602005003084 T 20050822; ES 05018144 T 20050822; JP 2005274139 A 20050921; KR 20050090140 A 20050927; TW 94127710 A 20050815; US 23000605 A 20050919