



New connection on: : 10-09-2020 : 21:39:09 - Last disconnection on: : 10-09-2020 : 21:37:20

V 4.0.0.44803(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201820)) (RPM D201820)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 62] self_assembl+ w panel

Results in EPODOC 2

[SS 63] ..li



1/2 © EPODOC / EPO

PN - [KR101511743B](#) B1 20150413
PR - KR20130136922 20131112
AP - KR20130136922 20131112
DT - I
CT - || STSE (B1)
[KR20110027249](#) A 20110316 [] (GS ENGINEERING & CONSTR CORP [KR]);
[JP2001132161](#) A 20010515 [] (OKAMURA CORP)
CI - E04B2/745 (KR)
- E04B2/765 (KR)
CA - E04B2002/7461 (KR)
TI - **Self-Assembly Panel** System
AB - A **self-assembly panel** system is provided by comprising: a plurality of vertical pillars (100) arranged vertically distanced for a previously determined distance along the floor with a T-Bolt fastening groove (11) formed on the left and right sides in the lengthwise direction; a plurality of horizontal frames (200) arranged horizontally distanced for a previously determined height in the space between the vertical pillars (100) with a T-Bolt fastening groove (11) formed on the top and bottom sides in the lengthwise direction; an acrylic plate (300) in the shape of a square plate filling the empty space of a lattice structure made by the vertical pillars (100) and the horizontal frames (200); and a bracket (400) which is a member in the shape of an L-shaped angle mounted at the edge where the vertical pillars (100) and the horizontal frames (200) meet with each other and connects the vertical pillars (100) and the horizontal frames (200) by fastening a nut (33) on the T-Bolt (22) inserted into each of the T-bolt fastening groove (11) of the vertical pillars (100) and the horizontal frames (200).

2/2 © EPODOC / EPO

PN - [CN2036222U](#) U 19890419
PR - CN19882012654U 19880528
AP - CN19882012654U 19880528
DT - I
PA - PENG SHULIN [CN]
TI - NEW-MODEL PANELS AND JOINTING PARTS FOR SELF-ASSEMBLING PAMEL-FURNITURE
AB - The utility model discloses new-model panels and jointing parts for **self-assembling panel-furniture**, comprising six types of universal panels, five types of back panels, five types of fusiform-shaped jointing parts, two types of rectangular bar jointing parts, two types of dice jointing parts, seal end covers, and hold down bars of the back panel. Compared with the prior art, the utility model has the advantages of high reliability, easy fabrication, convenient operation, reinforced universality of the panels, no waste of the panels, free extension and assembly, increased style changes, and prevention of the deformation of the panels while in use.

[SS 63] cardboard and box and panel and blank

Results in EPODOC 292

[SS 64] 63 and /IC (B65D)

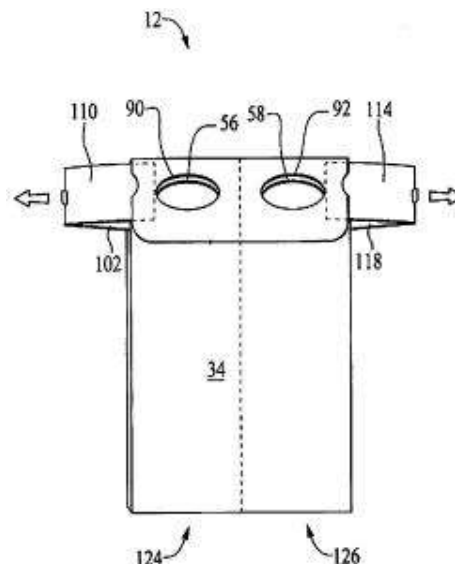
Results in EPODOC 269

[SS 65] ..v

[EPODOC: SS 65] ..li 1-50



- 1/269 © EPODOC / EPO
- PN - [US2020087026](#) A1 20200319
- PR - US201916576729 20190919; US201862733557P 20180919
- AP - US201916576729 20190919
- DT - *; Rep
- CCI - [B65D5/48014](#) ; [B65D5/723](#)
- CI - B65D5/48014 (EP, US)
- B65D5/723 (EP, US)
- PA - HENGAMI DAVID T [US]
- TI - DUAL COMPARTMENT DISPENSING BOX WITH LATERAL SLIDE OPENINGS
- AB - A dual compartment **box** features slides which move sideways to uncover openings for dispensing two different types of solid pourable products. It is made from a single **cardboard blank** having a plurality of panels extending lengthwise and connected together. The **box** is formed by folding the panels into a pair of adjacent compartments, with a top **panel** folding over to encapsulate the slides. The slides are detachable from the front **panel** and moveable sideways to uncover openings which form dispensing paths for the two types of solid pourable products. The slides preferably remain attached to side panels of the **box**, and then can be moved back to close off the dispensing paths if all the product is not immediately used. A bottom portion of the **box** is configured with conventional flaps and the **box** can be filled from the bottom or the top.

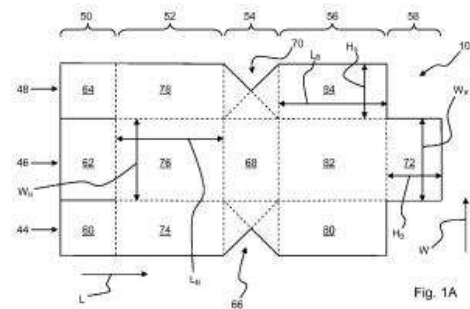


- 2/269 © EPODOC / EPO
- PN - [US2019092513](#) A1 20190328
- PNFP - US10745166 B2 20200818
- PR - EP20170193537 20170927
- AP - US201816141525 20180925
- DT - **
- CT - || STSE (A1)
[US2017042345](#) A1 20170216 [X] (JOLLEY CARL JEFFREY [US], et al)
[X] 1-7
* Fig. 39 | Fig. 41 | line (55) | claim 7 | lines (49 *;
[US6227438](#) B1 20010508 [A] (HILTKE ERIC [US]);
[US5180052](#) A 19930119 [A] (SMITH RAYMOND D [US], et al);
[US2018344056](#) A1 20181206 [A] (FERRER-WALSH EUDALDA [US]);
[US4512541](#) A 19850423 [A] (LIETZKE G W [US]);
[US4433778](#) A 19840228 [A] (MAIO PATRICK S [US], et al)
- CCI - [B31B50/0044](#) ; [B31B50/006](#) ; [B31B50/20](#) ; [B31B50/26](#) ; [B65B43/10](#) ; [B65B43/24](#) ; [B65D5/0005](#)
- CCA - [B31B2105/0024](#) ; [B31B2110/35](#) ; [B31B2120/102](#) ; [B65B61/02](#) ; [B65B2210/04](#)
- CI - B31B50/0044 (EP)
- B31B50/006 (EP, US)
- B31B50/20 (EP, US)
- B31B50/26 (EP)
- B31B50/262 (US)
- B65B43/10 (EP)
- B65B43/24 (EP)
- B65D5/0005 (EP, US)
- B65D5/0236 (US)
- B65D5/4266 (US)
- CA - B31B2105/0024 (EP)
- B31B2110/35 (EP)

- B31B2120/102 (EP)
- B65B61/02 (EP)
- B65B2210/04 (EP)
- PA
 - (A1)
 - NEOPOST TECH [FR]
 - (B2)
 - NEOPOST TECH [FR]; QUADIENT TECH FRANCE [FR]
- TI
 - (A1)
 - PREFOLDED **CARDBOARD BLANK**, METHOD AND SYSTEM FOR FOLDING CLOSED PACKAGING BOXES OF VARYING HEIGHT AND LENGTH
 - (B2)
 - Prefolded **cardboard blank**, method and system for folding closed packaging boxes of varying height and length
- AB
 - (A1 B2)
 - Prefolded **cardboard blank** for folding closed packaging boxes of varying height and length, said **blank** comprising a bottom **panel**, two side panels, each joined to opposite edges of said bottom **panel** and a first end **panel** joined with a first edge to said bottom **panel**, with a second edge to one of said side panels and with a third edge to the other one of said side panels such that the first end **panel** and the side panels when erected from the bottom **panel** form together with the bottom **panel** a **box** having an open top and an open side, the first end **panel** having an end portion intended to form a first top **panel**, each side **panel** having an end portion intended to form at least one second top **panel** and a corner **panel**, the bottom **panel** having an end portion intended to form a second end **panel** and a third top **panel**, and each side **panel** having a crease line running at an angle of 45° upwards from a corner, where the edges of the respective side **panel**, the first end **panel** and the bottom **panel** meet.

3/269 © EPODOC / EPO

- PN - [WO2019149858](#) A1 20190808
- PR - DE201810102193 20180131
- AP - WO2019EP52446 20190131
- DT - *; Rep
- CT
 - [EP] ISR (A1)
 - [GB215901](#) A 19240522 [XYI] (WILLIAM THEODORE BARNES)
 - [X] 1
 - * page 2, line 8 - line 125; figures 1-3 *
 - [Y] 6-11
 - [I] 2-5;
 - [EP3147838](#) A1 20170329 [Y] (NEOPOST TECH [FR])
 - [Y] 6-11
 - * abstract *;
 - [DE4018140](#) C1 19910926 [A] (KISTERS MASCHINENBAU GMBH [DE])
 - [A] 1-5,10,11
 - * abstract *;
 - [WO2014117817](#) A1 20140807 [AD] (NEOPOST TECHNOLOGIES [FR])
 - [AD] 1-11
 - * the whole document *
- CCI - [B65D5/18](#)
- CCA - [G06Q10/083](#)
- CI - B65D5/18 (EP)
- CA - G06Q10/083 (EP)
- PA - NEOPOST TECH [FR]
- TI
 - **CARDBOARD BLANK FOR A BOX**, METHOD AND SYSTEM FOR CREATING A CUSTOM-SIZED **CARDBOARD BLANK** FOR A **BOX**, AND METHOD AND SYSTEM FOR PACKAGING SHIPMENT SETS IN A **BOX**
- AB
 - A **cardboard blank** (10) for folding a **box** has a length and a width, wherein in the length direction (L) five adjacent sections (50, 52, 54, 56, 58) of panels are present, each **panel** of the first, third and fifth section (50, 54, 58) having a length (HB) corresponding to the height of the **box** to be folded, and each **panel** of the second and forth section (52, 56) having a length (LB) corresponding to the length of the **box** to be folded, in the width direction (W) three adjacent rows (44, 46, 48) of panels are present, each **panel** of the second row (46) having a width (WB) corresponding to the width of the **box** to be folded, and each **panel** of the first and the third row (44, 48) having a width (HB) corresponding to the height of the **box** to be folded, between adjacent panels in the length direction (L) crease lines



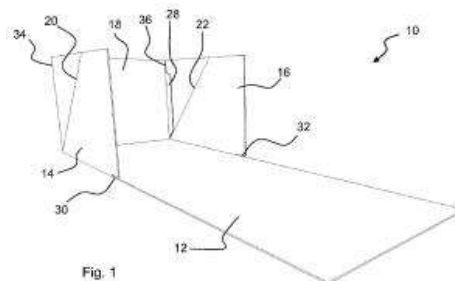
are provided, between panels of the second, the third and the forth section (52, 54, 56) which are adjacent to each other in the width direction (W), crease lines are provided, adjacent panels of the first section (50) are separated from each other by incisions, in the fifth section (58) only a **panel** (72) in the second row (46) is present, between the panels of the second and the forth section (52, 54) in the first and the third row (44, 48), a respective joint **panel** (66, 70) is provided, each of which being divided in triangular sections by crease lines between diagonally opposing corners of the each joint **panel**, the outer triangle being cut away.

4/269 © EPODOC / EPO

- PN - [US2018162585](#) A1 20180614
- PR - FR20150055092 20150604; WO2016FR51329 20160603
- AP - US201615579554 20160603
- DT - **
- CT - || STSE (A1)
[JP2013184730](#) A 20130919 [X] (OJI HOLDINGS CORP)
[X] 1, 4-5, 6, 8
* claim 1 | L5 L8 | Fig. 2, 3 | Fig. 1-3 | paragraphs 1, 9-33 | claim 4 | claim 5 | , claim 6 | claim 1 | claim 8 | *;
[JP2005170419](#) A 20050630 [X] (RENGO CO LTD)
[X] 1, 4-5, 9, 7
* claim 1 | Fig. 1B | Fig. 1-6 | paragraphs 17-31 | claim 4 | Fig. 2, 5 | claim 5 | Fig. 1, 2, 4, 5 | claim 9 | , claim 7 | claim 1 *;
[US2015021226](#) A1 20150122 [Y] (JACOMELLI SEBASTIEN [FR], et al)
[Y] 6, 8
* paragraphs 73-77, 94-96 FIG. 9-10A | paragraphs 6, 100-109 FIG. 12-13A | FIG. 1A *;
[US2013213847](#) A1 20130822 [Y] (MOREAU JEAN-CLAUDE [FR], et al)
[Y] 7
* paragraphs 76-79 FIG. 1, 3, 4 | paragraphs 50-64 FIG. 1, 3, 4, 8-10 *;
[JP2013184730](#) A 20130919 [A] (OJI HOLDINGS CORP);
[JP2005170419](#) A 20050630 [A] (RENGO CO LTD);
[JP2013184730](#) A 20130919 [A] (OJI HOLDINGS CORP);
[JP2005170419](#) A 20050630 [A] (RENGO CO LTD)
- CCI - [B65D5/001](#) ; [B65D5/003](#)
- CI - B65D5/001 (EP, KR, US)
- B65D5/003 (EP, KR, US)
- PA - DS SMITH PACKAGING FRANCE [FR]
- TI - **BOX AND BLANK MADE FROM CARDBOARD SHEET WITH CONVEX CENTRING DEVICES**
- AB - A **box** and a **blank** or a set of blanks made from corrugated **cardboard** sheet comprising side walls, a top wall linked to at least two of said opposing side walls by a junction line or a folded edge, and a bottom wall forming the bottom of the **box**. The top wall comprises at least two convex portions comprising a projecting part, and the bottom comprises at least two perforated surface portions of complementary shape arranged to engage with the projecting parts of the **box** below. Each convex portion comprises an oblique triangular or substantially triangular **panel** belonging partly to a side wall or a folded edge.

5/269 © EPODOC / EPO

- PN - [EP3461752](#) A1 20190403
- PNFP - EP3461752 B1 20190925
- PR - EP20170193537 20170927
- AP - EP20170193537 20170927
- DT - *; Rep
- CT - || STSE (A1)
[GB371751](#) A 19320428 [XAI] (EDWARD MONTAGUE, et al)
[X] 1,3,6,8
* page 1, line 8 - page 2, line 97 *
* figures 1-3 *
[A] 2
[I] 4,5,7,9-15;
[GB2167043](#) A 19860521 [XAI] (SAWLEY PACKAGING COMPANY
LIMIT)
[X] 1,3,8
* page 1, line 5 - page 2, line 68 *
* figures 1-4 *
[A] 2,9-12

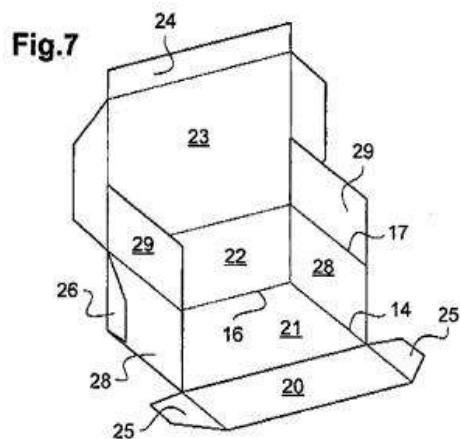


	[I] 4-7,13-15; FR2784656 A1 20000421 [A] (ZEMBITSKI JURY GEORGES [FR]) [A] 9-12 * page 9, line 29 - page 15, line 32 * * figures 1-7 *; WO2016157089 A1 20161006 [Y] (PONTI LORENZO [IT]) [Y] 13-15 * page 3, line 13 - page 18, line 19 * * figures 1-8f *; WO2014117816 A1 20140807 [Y] (NEOPOST TECHNOLOGIES [FR]) [Y] 13-15 * page 34, line 9 - page 62, line 26 * * figures 1-9d *
CCI	- B31B50/0044 ; B31B50/006 ; B31B50/20 ; B31B50/26 ; B65B43/10 ; B65B43/24 ; B65D5/0005
CCA	- B31B2105/0024 ; B31B2110/35 ; B31B2120/102 ; B65B61/02 ; B65B2210/04
CI	- B31B50/0044 (EP) - B31B50/006 (EP, US) - B31B50/20 (EP, US) - B31B50/26 (EP) - B31B50/262 (US) - B65B43/10 (EP) - B65B43/24 (EP) - B65D5/0005 (EP, US) - B65D5/0236 (US) - B65D5/4266 (US)
CA	- B31B2105/0024 (EP) - B31B2110/35 (EP) - B31B2120/102 (EP) - B65B61/02 (EP) - B65B2210/04 (EP)
PA	- (A1 B1) NEOPOST TECH [FR]
TI	- (A1 B1) PREFOLDED CARDBOARD BLANK AND METHOD FOR FOLDING CLOSED PACKAGING BOXES OF VARYING HEIGHT AND LENGTH
AB	- (A1) Prefolded cardboard blank (10) for folding closed packaging boxes of varying height and length, said blank comprising a bottom panel (12), two side panels (14, 16), each joined to opposite edges of said bottom panel (12) and a first end panel joined with a first edge to said bottom panel (12), with a second edge to one of said side panels (14) and with a third edge to the other one of said side panels (16) such that the first end panel (18) and the side panels (14, 16) when erected from the bottom panel (12) form together with the bottom panel (12) a box having an open top and an open side, the first end panel (18) having an end portion intended to form a first top panel , each side panel (14, 16) having an end portion intended to form at least one second top panel and a corner panel , and the bottom panel (12) having an end portion intended to form a second end panel and a third top panel .
6/269	© EPODOC / EPO
PN	- CN206278383U U 20170627
PR	- CN201621187369U 20161026
AP	- CN201621187369U 20161026
DT	- I
PA	- YANG ZHILI
TI	- Novel sesame oil packing carton
AB	- The utility model discloses a novel sesame oil packing carton, including setting up the box body of storing the chamber, be equipped with a plurality of independent package unit in the box body, package unit is by folding forming of the cardboard blank that has a broken line, buckles respectively and extend outer panel , bottom plate, the interior plate

that forms in its both sides that include roof, roof, and outer **panel**, bottom plate and the interior plate on both sides form two U types and hold chambeies. The utility model discloses a package unit is equipped with mated U type and holds the chamber, puts respectively behind the betel nut edge -to -edge bite in two U types appearance intracavitys, and twinned also when taking for the sesame oil packing carton is full of romantic sentiment, and the package unit's who closely arranges roof forms a complete plane, can print the image on this plane, makes the packing more pleasing to the eye, adopts full paper packing carton to replace the plastic packaging bag, has avoided the pollution.

7/269 © EPODOC / EPO

- PN - [EP3388355](#) A1 20181017
- PR - EP20170000648 20170413
- AP - EP20170000648 20170413
- DT - *; Rep
- CT - || STSE (A1)
[NL6612720](#) A 19680311 [XI] (BOON JOHANNES WILHELMUS [NL])
[X] 1,3,4,6,7,10-12
* figures 1-4 *
[I] 2,5;
[CN204548709U](#) U 20150812 [XI] (LIN FU NAN)
[X] 1,2,4-6,10-12
* figures 1, 2 *
[I] 3;
[JPS5487913U](#) U 19790621 [X] (?)
[X] 1-4,6,10,12
* figures 5, 6 *;
[US1425714](#) A 19220815 [XI] (STOGDELL STOKES JOHN)
[X] 1,2,4,6,10,12
* page 2, lines 38-114 *
* figures 1-4 *
[I] 3;
[GB1193085](#) A 19700528 [XI] (ROBINSON E S & A LTD)
[X] 1,2,4,6,10,12
* page 1, lines 28-52 *
* figures 1, 2 *
[I] 3;
[WO2014119439](#) A1 20140807 [XI] (TANAX INC [JP])
[X] 1,4,10,12
* abstract *
[I] 8,9,13-15;
[US2013247519](#) A1 20130926 [XI] (CLARK DAVID HENRY [US], et al)
[X] 1,10,12
* page 6, paragraph 54 *
* page 8, paragraphs 62-66 *
[I] 8,9,13-15;
[US5388389](#) A 19950214 [A] (TISMA STEVAN [US])
[A] 15
* abstract *
- CCI - [B31B50/20](#) ; [B31B50/22](#) ; [B31B50/36](#) ; [B65B65/003](#) ;
[B65D5/6661](#) ; [B65D5/6685](#)
- CCA - [B31B2100/0024](#) ; [B31B2110/35](#) ; [B65B5/024](#) ; [B65B35/205](#) ;
[B65B35/24](#) ; [B65B35/405](#) ; [B65B35/44](#) ; [B65B57/12](#) ;
[B65B2210/04](#)
- CI - B31B50/20 (EP)
- B31B50/22 (EP)
- B31B50/36 (EP, US)
- B65B5/024 (US)
- B65B65/003 (EP)
- B65D5/6661 (EP)
- B65D5/6685 (EP)
- CA - B31B2100/0022 (US)
- B31B2100/0024 (EP)
- B31B2110/35 (EP, US)
- B65B5/024 (EP)
- B65B35/205 (EP)
- B65B35/24 (EP)
- B65B35/405 (EP)



- B65B35/44 (EP)
- B65B57/12 (EP)
- B65B2210/04 (EP, US)
- B65D5/6664 (US)
- B65D5/6685 (US)
- PA - DS SMITH PLC [GB]
- TI - **BOX**, BELT, **BLANK**, METHOD OF FORMING THE SAME, METHOD AND MACHINE FOR PACKAGING PRODUCTS IN A **BOX**
- AB - The invention relates to a **box**, a belt, a method of forming the same, and to a method and a machine for packaging products in a **box**. This **box** is of corrugated **cardboard** sheet material and has a length L, a width W and a height H close to the size of the products to be housed in the **box** and comprises a belt having four rectangular main panels (20 to 23), forming the top, the bottom and the first and second lateral walls of the **box**, with second parallel fold lines (16) extending between two adjacent main panels, wherein one of the main panels (21) is provided on each of two opposing sides with a secondary **panel** (28) forming the third or the fourth lateral wall of the **box**.

8/269 © EPODOC / EPO

- PN - [WO2016193637](#) A1 20161208
- PR - FR20150055092 20150604
- AP - WO2016FR51329 20160603
- DT - *; Rep
- CT - [EP] ISR (A1)
[DE202008014520U](#) U1 20090122 [A] (KLINGELE PAPIERWERKE [DE])
[A] 1,9
* paragraph [0020] - paragraph [0029]; figures 1-6 *;
[JP2013184730](#) A 20130919 [A] (OJI HOLDINGS CORP)
[A] 1,9
* figures 1-3 *;
[FR2998275](#) A1 20140523 [A] (OTOR SA [FR])
[A] 1,9
* page 14, line 21 - page 16, line 8; figures 1-14 *;
[JP2013226661](#) A 20131107 [A] (RENGO CO LTD)
[A] 1,9
* figures 1-7 *
- CCI - [B65D5/001](#) ; [B65D5/003](#)
- CI - B65D5/001 (EP, KR, US)
- B65D5/003 (EP, KR, US)
- PA - OTOR SA [FR]
- TI - **BOX** AND **BLANK** MADE FROM **CARDBOARD** SHEET WITH CONVEX CENTRING DEVICES
- AB - The invention consists of a **box** (1) and a **blank** or a set of blanks made from corrugated **cardboard** sheet comprising side walls (3, 4, 5, 6), a top wall (7) linked to at least two of said opposing side walls by a junction line (11, 12) or a folded edge, and a bottom wall (13) forming the bottom of the **box**. The top wall comprises at least two convex portions (14) comprising a projecting part (15), and the bottom comprises at least two perforated surface portions (18) of complementary shape arranged to engage with the projecting parts (15) of the **box** below. Each convex portion (14) comprises an oblique triangular or substantially triangular **panel** (19) belonging partly to a side wall or a folded edge.

9/269 © EPODOC / EPO

- PN - [GB2550125](#) A 20171115
- PR - GB20160007952 20160506
- AP - GB20160007952 20160506
- DT - **
- CT - || STSE (A)
[GB1527189](#) A 19781004 [] (CASUTT TONI);
[WO2014179387](#) A1 20141106 [] (WILEY TED E [US]);
[JP2010215286](#) A 20100930 [] (DAIZEN KK);
[US4382537](#) A 19830510 [] (MUISE HERBERT D);
[US4268555](#) A 19810519 [] (KANTZ JOHN F);
[US3642192](#) A 19720215 [] (WILCOX THOMAS L JR, et al);
[US2006180642](#) A1 20060817 [] (ZACHER RAYMOND L [US], et al);
[KR20080107815](#) A 20081211 [] (JAEPAK CO LTD [KR])
- CCI - [B65D5/029](#) ; [B65D5/3628](#) ; [B65D5/4279](#)

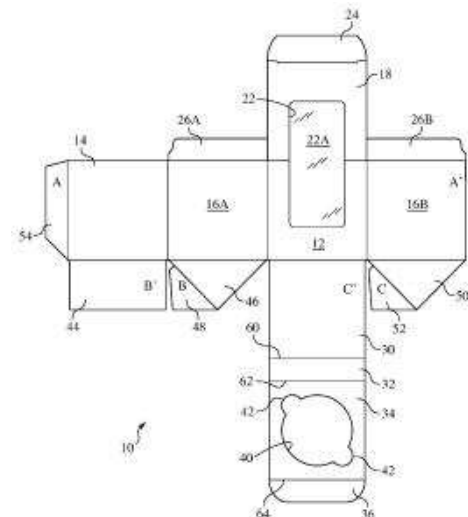
- CI - B65D5/0236 (GB)
 - B65D5/029 (EP, GB)
 - B65D5/3628 (EP, GB)
 - B65D5/4279 (EP)
- PA - DS SMITH PACKAGING LTD [GB]
- TI - **Box** and **blank** therefor
- AB - A **blank** for a **box** comprising two additional crease line 38. Preferably, crease lines are perpendicular to length of the **blank**, and allow formation of flattened ring without folding of crease lines 44 forming corners of the **box**. Preferably, creases extend parallel to corrugations. Preferably, corners have 45° chamfers 26 with flaps 24 with edges that align with edge of perpendicular side to act as mandrels to form assembled **box**. Preferably, flaps have intermediate edges 50 to support inside edge of chamfer, and width of flaps corresponded to width between side walls 22. Preferably, mandrel flaps are form on top and bottom on shorter ends. A split **panel** comprises glue lap portion 48, where corrugated **cardboard** is crushed to form joint which is less than double the thickness of the non-crushed **cardboard**, preferably, 80-180%. Preferably, split **panel** is joined to form fourth whole side **panel**.

10/269 © EPODOC / EPO

- PN - [NZ628435](#) A 20160624
- PR - WO2013US31288 20130314; US201261689254P 20120601; US201213419740 20120314
- AP - NZ20130628435 20130314
- DT - I
- CCI - [B65D5/5002](#) ; [B65D71/36](#) ; [B65D81/05](#) ; [B65D81/053](#)
- CCA - [B65D2571/00141](#) ; [B65D2571/00265](#) ; [B65D2571/00302](#) ; [B65D2571/0045](#) ; [B65D2571/00574](#) ; [B65D2571/0066](#) ; [B65D2571/00728](#) ; [B65D2581/053](#)
- CI - B65D5/5002 (EP)
 - B65D71/36 (EP)
 - B65D81/05 (EP)
 - B65D81/053 (EP)
- CA - B65D2571/00141 (EP)
 - B65D2571/00265 (EP)
 - B65D2571/00302 (EP)
 - B65D2571/0045 (EP)
 - B65D2571/00574 (EP)
 - B65D2571/0066 (EP)
 - B65D2571/00728 (EP)
 - B65D2581/053 (EP)
- PA - GRAPHIC PACKAGING INT INC
- TI - Carton with article protection feature
- AB - A **cardboard box** for containing beer bottles or other products is described. The **box** seeks to protect the objects therein by way of diamond shaped polygons at the vertical edges of the **box** including protective protrusions or dimples. The **box** is formed from a **blank** (1) with top, bottom and side panels (15, 17, 21 and 25) and is characterised by polygonal corner panels (65, 68) which are offset from the bottom **panel** (15) by a distance determined by a longitudinal fold (61). The corner panels, and optionally the bottom and side flaps (e.g. 33, 35, 43, 45) have bumps, protrusions or dimples (81-83) which buffer the objects inside, protecting them from impact.

11/269 © EPODOC / EPO

- PN - [US2016107830](#) A1 20160421
- PR - US201514732871 20150608; US201462065921P 20141020
- AP - US201514732871 20150608
- DT - *, Rep
- CCI - [B65D5/4204](#) ; [B65D5/5021](#) ; [B65D85/36](#)
- CI - B65D5/4204 (EP, US)
 - B65D5/5021 (EP)
 - B65D85/36 (EP)
- PA - FC MEYER PACKAGING LLC [US]
- TI - CUPCAKE CONTAINER WITH INTEGRATED COLLAR ALL FORMED FROM A COMMON **CARDBOARD BOX BLANK**
- AB - A cupcake container that folds from a flattened orientation to an erect orientation. The container is formed from a single **cardboard box blank** including an integrated collar, which is raised over a bottom **panel** by two legs. The integrated collar has at least one circular opening into which a cupcake base is fitted. The front and top panels form an aperture closed by a polymer film to allow viewing of the contents of the



container.

12/269 © EPODOC / EPO

PN - [N7617037](#) A 20151224
PR - WO20121852527 20120521; AU20110901934 20110519
AP - NZ20120617037 20120521
DT - I
CCI - [B65D5/20](#) ; [B65D5/28](#) ; [B65D5/68](#)
CI - B65D5/20 (EP)
- B65D5/28 (EP)
- B65D5/68 (EP)
PA - CARTER HOLT HARVEY CORRUGATED PACKAGING PTY LTD
TI - Containers
AB - A container including: a rectangular base **panel**, opposed end wall panels (2), opposed side wall panels and side wall extension flaps (5), and end wall extension flaps (6) for attaching a lid to the base using adhesive. The container is constructed from a single **blank** made of corrugated **cardboard**. Preferably the flute direction runs in a direction parallel to the end walls. The side wall extension flaps folded inward at the tops of the side walls of the base stiffen the side walls as the side flaps of the lid are glued to the outsides of the top ends of the side walls. The fold between the extension flaps and the top ends of the side walls of the base has castellated cuts so that a portion of the side walls thrusts up through the thickness of the flaps along the fold line to provide compression strength to the **box**.

13/269 © EPODOC / EPO

PN - [CN204916705U](#) U 20151230
PR - CN201520636675U 20150821
AP - CN201520636675U 20150821
DT - I
PA - JIANGXI KEJIA COLOR PACKAGING CO LTD
TI - From fruit packing carton of taking stationary barrier
AB - The utility model relates to a packing field provides a from fruit packing carton of taking stationary barrier, cuts the **box** body of making by a **cardboard blank** that has the crease line, and this **box** body includes four panels, and wherein first **panel** is the same with the third **panel**, and the second **panel** is the same with the fourth **panel**, four panels are all connected through the curb plate, the bottom plate is equipped with the crease line with the junction of baffle, all be equipped with the bar groove on first **panel** and the third **panel**, whole bottom plate is run through in this bar groove, partial baffle and partial curb plate, the second **panel** all is equipped with two sets of bar draw -in grooves with the fourth **panel** on the baffle to with this baffle trisection. The utility model discloses a setting of bar groove, baffle, flap and protruding isotructure can effectively prevent between the fruit extrusion each other and friction, avoids the fruit damage, through -hole and the design of **box** body formula as an organic whole, and convenient to use, it is handsome in appearance and can reduce cost.

14/269 © EPODOC / EPO

PN - [GB2540389](#) A 20170118
PNFP - GB2540389 B 20190612
PR - GB20150012368 20150715
AP - GB20150012368 20150715
DT - *, Rep
CT - || STSE (A B)
[GB2318568](#) A 00000000 [];
[GB2148253](#) A 00000000 [];
[JP2002002663](#) A 00000000 [];
[US5160082](#) A 00000000 [];
[US4121753](#) A 00000000 [];
[US3473722](#) A 00000000 [];
[US3002672](#) A 00000000 []
CCI - [B65D5/0281](#) ; [B65D5/4279](#)
CI - B65D5/0281 (EP, GB)
- B65D5/4279 (EP, GB)
PA - (A B)
THE REEDBUT GROUP LTD [GB]
TI - (A)
Blank for cardboard box
- (B)
Box, partially-formed **box** and associated **blank**
AB - (A)

A **blank** 10 is for use in creating a **box** 12. The **blank** 10 comprises a row of four connected side panels 14, a row of four bottom panels 16 and a row of four top panels 18, each connected to a respective side **panel** 14, a fifth connecting **panel** 20 connected to a first side **panel** 14a and separated therefrom by a line of weakness 22, and a sixth **panel** 24 connected to a fourth side **panel** 14d and separated therefrom by a line of weakness 26. Also claimed is a **box** 12 having the above **panel** arrangement, wherein the top panels are folded inwardly into the **box**, and the fifth and sixth connecting panels are secured to the first and fourth side panels respectively by e.g. glue (28, fig. 3). Also claimed is a partially formed **box** wherein the connecting panels are secured by glue but the **box** remains in a flattened configuration. The top panels may be longer than the side panels and may have sub-panels 18b which can lie across the inside base of the assembled **box**.

15/269 © EPODOC / EPO

- PN - [US2015175293](#) A1 20150625
- PR - FR20120001748 20120620; WO2013FR51412 20130617
- AP - US201314409744 20130617
- DT - **
- CT - || R141 (A1)
[US2005199692](#) A1 20050915 [] (NELSON DANIEL J [US], et al);
[US7935041](#) B2 20110503 [] (GRAHAM THOMAS D [US], et al);
[US7090115](#) B2 20060815 [] (PIERCE LEON WILLIAM [US]);
[US5924627](#) A 19990720 [] (WILDER DUANE C [US], et al);
[US5147271](#) A 19920915 [] (BACQUES JEAN-YVES [FR], et al);
[US4955531](#) A 19900911 [] (GRABOYES HERMAN [US]);
[EP2436613](#) A1 20120404 [] (A & R CARTON BREMEN GMBH [DE]);
[EP0785138](#) A1 19970723 [] (OTOR SA [FR], et al);
[DE4341129](#) A1 19950608 [] (KETTNER VERPACKUNGSMASCHF [DE]);
[US2006254942](#) A1 20061116 [] (CARGILE JOHN W JR [US])
- CCI - [B65D5/0209](#) ; [B65D5/328](#)
- CCA - [B31B50/28](#) ; [B31B50/282](#)
- CI - B31B50/62 (EP)
 - B65D5/02 (US)
 - B65D5/0209 (EP)
 - B65D5/32 (US)
 - B65D5/328 (EP)
- CA - B31B50/28 (EP)
 - B31B50/282 (EP)
- PA - JACOMELLI SEBASTIEN [FR]; MONIN PASCAL [FR]; OTOR SA [FR]
- TI - **BOX MADE OF A CARDBOARD SHEET MATERIAL, BLANK OR BLANK ASSEMBLY, AND METHOD AND DEVICE FOR FORMING SUCH A BOX**
- AB - The present invention relates to a **box**, to a **blank** or **blank** assembly, and to a method and device for forming a **box** made of a corrugated **cardboard** sheet material having a strap comprising at least four main rectangular panels, provided with at least one series of flaps suitable for at least partially forming the bottom and/or the tip of **box**, at least two of said main side panels being connected to a main central **panel** via intermediate panels forming cut corners without flaps. At least tow of the cut corners are formed by at least two rectangular cut side portions which are connected together or to the adjacent main **panel** by folding line, said cut side portions having a width of between 3 mm and 20 mm.

16/269 © EPODOC / EPO

PN - [EP2757047](#) A1 20140723
 PNFP - EP2757047 B1 20160113
 PR - ES20130030043 20130116
 AP - EP20130382375 20130930
 DT - *; Rep
 CT - || STSE (A1)
[GB2443313](#) A 00000000 [A] (DS SMITH PACKAGING)
 [A] 1,2
 * paragraph [0048] - paragraph [0052]; figures 11,2 *;
[US2352994](#) A 00000000 [A] (MORGAN)
 [A] 1,2
 * page 1, line 28 - page 2, line 45; figures 1,3,4 *;
[US2151472](#) A 00000000 [A] (HUBBARD WARD J)
 [A] 1
 * page 1, line 51 - page 2, line 28; figure - *

CCI - [B65D5/24](#) ; [B65D5/4608](#)

CI - B65D5/00 (ES)
 - B65D5/2019 (ES)
 - B65D5/24 (EP)
 - B65D5/3642 (ES)
 - B65D5/3657 (ES)
 - B65D5/4608 (EP, ES)

PA - (A1 B1)
 SAICA PACK SL [ES]

TI - (A1 B1)
Blank for a glueless mountable box

AB - (A1)
 Glueless mountable **box** that is formed from a sheet of **cardboard** comprising a bottom **panel** (1) from which two lateral edges or side panels (2) and two end panels (3) emerge, along with four flaps (4). The flaps are joined by fold lines at both the end panels and the side panels, and with cut lines which, together with the fold lines, enable the flaps on the end panels and side panels to be folded, overlapping with the end panels, to shape the **box**. The ends panels have slots serving as hand holes, while the flaps have oblong slots (4.1) such that, when the flaps (4) are folded, said slots (4.1) are arranged in a position coincident with the flaps (3.1), thereby obtaining a **box** that is easily assembled, without the need for additional fastening means, providing greater structural and constructive stability.

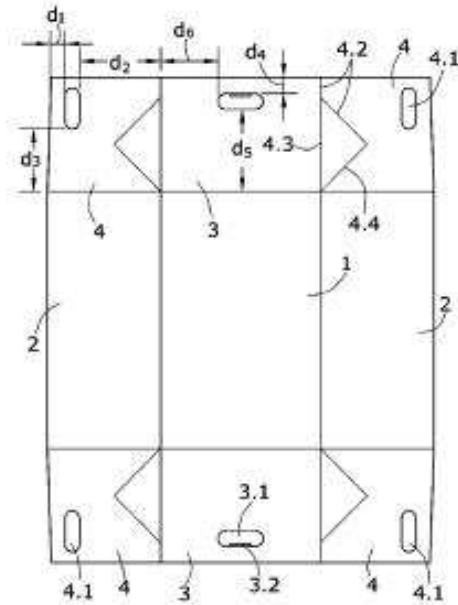


FIG.1

17/269 © EPODOC / EPO

PN - [RU2494024](#) C1 20130927
 PR - US20090256335P 20091030; WO2010US53321 20101020
 AP - RU20120122201 20101020
 DT - I
 CT - || STSE (C1)
[US2004222127](#) A1 20041111 [] (MCLEOD MICHAEL B [US], et al);
[DE19710130](#) A1 19980917 [] (DANAPAK FALTSCACHTELSYSTEME G [DE]);
[WO02070357](#) A1 20020912 [] (KAPPA DE ZEEUW GOLFKARTON B V [NL], et al);
[US3979046](#) A 19760907 [] (WILBUR CHARLES J);
[GB1353314](#) A 19740515 [] (GALENOPHARM SA);
[NL286532](#) A 00000000 []

CCI - [B65D5/18](#) ; [B65D5/548](#) ; [B65D77/042](#)

CI - B65D5/18 (EP, US)
 - B65D5/52 (US)
 - B65D5/548 (EP, US)
 - B65D77/042 (EP, US)

PA - KRAFT FOODS GLOBAL BRANDS LLC [US]

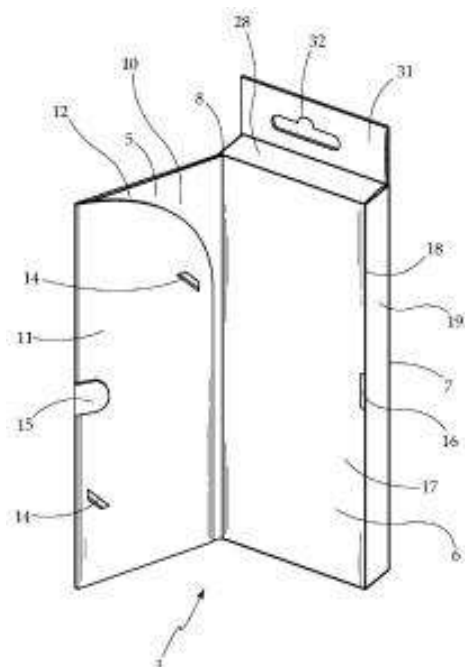
TI - DISMOUNTABLE PACKAGING SYSTEM FOR DEMONSTRATION OF CONTAINERS

AB - FIELD: packaging industry.SUBSTANCE: invention relates to a **cardboard** dismountable packaging system comprising a substantially U-shaped **box** (12) formed from a single **blank**. Plurality of demonstration containers (14) are attached and aligned inside the U-shaped **box** is bent so that it comprises a lower **panel** (20) with two

opposite parallel side panels (16) extending from the opposite edges of the lower **panel**, and a shortened valve (22) extending from the front edge of the lower **panel**. The plurality of demonstration containers are attached to the side panels to secure the demonstration containers inside the U-shaped **box**. The demonstration containers can be removed from the U-shaped **box** with use of a rupturable area (40) on the side panels. EFFECT: according to the invention the packaging system enables to reduce its cost due to reducing the amount of the consumable material. 20 cl, 8 dwg

18/269 © EPODOC / EPO

- PN - [US2013213833](#) A1 20130822
- PNFP - US8899413 B2 20141202
- PR - US201313774017 20130222; US201261601594P 20120222
- AP - US201313774017 20130222
- DT - *; Rep
- CT - || R141 (A1)
[US4203516](#) A 19800520 [] (FLINT-SMITH VIRGINIA K [US], et al);
[US5096058](#) A 19920317 [] (JURAVIN ADI D [US], et al);
[US5213214](#) A 19930525 [] (STRINGHAM RICHARD B [US]);
[US5407076](#) A 19950418 [] (SABET EDMOND [US]);
[US5458235](#) A 19951017 [] (STONE IRVING I [US]);
[US5794631](#) A 19980818 [] (SYLVESTER ELYSE [US]);
[US6070719](#) A 20000606 [] (POLLOCK CHRISTOPHER S [US]);
[US2003230501](#) A1 20031218 [] (SMOLEV MYRA [US]);
[US6659271](#) B2 20031209 [] (PARSONS KEVIN L [US]);
[US6868964](#) B2 20050322 [] (CARTY JAMES PATRICK [US], et al);
[US2010270181](#) A1 20101028 [] (MORGAN ELIZABETH [US])
 - || STSE (B2)
[US4203516](#) A 19800520 [] (FLINT-SMITH VIRGINIA K [US], et al);
[US5096058](#) A 19920317 [] (JURAVIN ADI D [US], et al);
[US5213214](#) A 19930525 [] (STRINGHAM RICHARD B [US]);
[US5407076](#) A 19950418 [] (SABET EDMOND [US]);
[US5458235](#) A 19951017 [] (STONE IRVING I [US]);
[US5794631](#) A 19980818 [] (SYLVESTER ELYSE [US]);
[US6070719](#) A 20000606 [] (POLLOCK CHRISTOPHER S [US]);
[US6659271](#) B2 20031209 [] (PARSONS KEVIN L [US]);
[US6868964](#) B2 20050322 [] (CARTY JAMES PATRICK [US], et al);
[US2003230501](#) A1 20031218 [] (SMOLEV MYRA [US]);
[US2010270181](#) A1 20101028 [] (MORGAN ELIZABETH [US])
- CCI - [B42D15/00](#) ; [B42D15/045](#) ; [B42D25/22](#) ; [B42F7/06](#) ;
[B65D5/4208](#) ; [B65D5/4237](#)
- CI - B42D15/00 (EP, US)
 - B42D15/045 (EP)
 - B42D25/22 (EP)
 - B42F7/06 (EP)
 - B65D5/4208 (EP, US)
 - B65D5/4237 (EP, US)
 - B65D73/0078 (US)
- PA - (A1 B2)
 PRUETT PAUL [US]
- TI - (A1)
 COMBINED GIFT PRODUCT AND CHOCOLATE BAR GREETING CARD
 - (B2)
 Combined gift product and chocolate bar greeting card
- AB - (A1)
 A gift product which holds a single, individually-wrapped chocolate bar, currency bills, and one or more gift cards. The gift product has a greeting card **panel** and a chocolate bar container. The internal face of the greeting card **panel** has a pocket that holds currency bills and a gift card. The gift product is preferably formed from a single **blank** made of **cardboard**-like **box** stock, reinforced paper, or thin plastic.
 - (B2)
 A gift product which holds a single, individually-wrapped chocolate bar, currency bills, and one or more gift cards. The gift product has a greeting card **panel** and a chocolate bar container. The internal face of the greeting card **panel** has a pocket that holds currency bills and a gift card. The gift product is preferably formed from a single **blank** made of **box** stock,



reinforced paper, or thin plastic.

- 19/269** © EPODOC / EPO
- PN - [WO2013190226](#) A1 20131227
- PR - FR20120001748 20120620
- AP - WO2013FR51412 20130617
- DT - **
- CT - [EP] ISR (A1)
[DE202010013740U](#) U1 20120113 [A] (A & R CARTON BREMEN GMBH [DE])
[A] 1,13,23
* paragraph [0044] - paragraph [0056]; figures 1-3 *;
[US3866523](#) A 19750218 [A] (GESCHWENDER ROBERT C)
[A] 1,13,23
* column 9, lines 35-55; figures 19-22 *;
[FR2795390](#) A1 20001229 [A] (OTOR SA [FR])
[A] 1,13,23
* page 17, line 12 - page 19, line 11; figures 1-6 *;
[WO2012042275](#) A1 20120405 [A] (CONCEPT PACKAGING SERVICES LTD [GB], et al)
[A] 1,13,23
* page 6, line 29 - page 8, line 9; figures 1-5 *;
[EP0468860](#) A1 19920129 [Y] (OTOR SA [FR])
[Y] 22
* column 7, line 24 - column 9, line 26; figures 1-16 *;
[WO9616789](#) A1 19960606 [Y] (TETRA LAVAL HOLDINGS & FINANCE [CH], et al)
[Y] 22
* page 6, paragraphs 2-3 *
- CCI - [B65D5/0209](#) ; [B65D5/328](#)
- CCA - [B31B50/28](#) ; [B31B50/282](#)
- CI - B31B50/62 (EP)
- B65D5/02 (US)
- B65D5/0209 (EP)
- B65D5/32 (US)
- B65D5/328 (EP)
- CA - B31B50/28 (EP)
- B31B50/282 (EP)
- PA - OTOR SA [FR]; JACOMELLI SEBASTIEN [FR]; MONIN PASCAL [FR]
- TI - **BOX MADE OF A CARDBOARD SHEET MATERIAL, BLANK OR BLANK ASSEMBLY, AND METHOD AND DEVICE FOR FORMING SUCH A BOX**
- AB - The present invention relates to a **box**, to a **blank** or **blank** assembly, and to a method and device for forming a **box** made of a corrugated **cardboard** sheet material having a polygonal cross-section. Said **box** includes a strap comprising at least four main rectangular panels, provided with at least one series of flaps suitable for at least partially forming the bottom and/or the top of the **box**, at least two of said main side panels being connected to a main central **panel** via intermediate panels forming cut corners without flaps. At least two of the cut corners are formed by at least two rectangular cut side portions which are connected together or to the adjacent main **panel** by a folding line, said cut side portions having a width of between 3 mm and 20 mm.
- 20/269** © EPODOC / EPO
- PN - [US2013140351](#) A1 20130606
- PNFP - US8739969 B2 20140603
- PR - US201313753716 20130130; DE20082015493U 20081121; US201113128587 20110816; WO2009EP64969 20091111
- AP - US201313753716 20130130
- DT - **
- CT - [] R141 (A1)
[US306620](#) A 18841014 [] ;
[US1556514](#) A 19251006 [] (FELDMAN MORRIS E);
[US2617578](#) A 19521111 [] (FISCHER HOWARD J);
[US3039671](#) A 19620619 [] (TIM CHIAMARDAS EFTHEM);
[US4134495](#) A 19790116 [] (FRIEDMAN HERBERT);
[US5277304](#) A 19940111 [] (BRIZZI MARCO [IT], et al);
[US5361898](#) A 19941108 [] (GOTTLIEB STEVEN [US]);
[US5439105](#) A 19950808 [] (FOCKE HEINZ [DE]);
[US5513748](#) A 19960507 [] (FOCKE HEINZ [DE], et al);
[US5513752](#) A 19960507 [] (GOTTLIEB STEVEN [US]);
[US5586648](#) A 19961224 [] (FOCKE HEINZ [DE], et al);
[US6702108](#) B2 20040309 [] (LO DUCA CARMELO [IT]);

[US6913140](#) B2 20050705 [] (LO DUCA CARMELO [IT]);
[US6923366](#) B2 20050802 [] (LO DUCA CARMELO [IT]);
[US2007261980](#) A1 20071115 [] (COX MARK A [GB], et al)
 - || STSE (B2)
[US306620](#) A 18841014 [];
[US1556514](#) A 19251006 [] (FELDMAN MORRIS E);
[US2617578](#) A 19521111 [] (FISCHER HOWARD J);
[US3039671](#) A 19620619 [] (TIM CHIAMARDAS EFTHYM);
[US4134495](#) A 19790116 [] (FRIEDMAN HERBERT);
[US5277304](#) A 19940111 [] (BRIZZI MARCO [IT], et al);
[US5361898](#) A 19941108 [] (GOTTLIEB STEVEN [US]);
[US5439105](#) A 19950808 [] (FÖCKE HEINZ [DE]);
[US5513748](#) A 19960507 [] (FÖCKE HEINZ [DE], et al);
[US5513752](#) A 19960507 [] (GOTTLIEB STEVEN [US]);
[US5586648](#) A 19961224 [] (FÖCKE HEINZ [DE], et al);
[US6702108](#) B2 20040309 [] (LO DUCA CARMELO [IT]);
[US6913140](#) B2 20050705 [] (LO DUCA CARMELO [IT]);
[US6923366](#) B2 20050802 [] (LO DUCA CARMELO [IT]);
[US2007261980](#) A1 20071115 [] (COX MARK A [GB], et al)
 CCI - [B65D5/48014](#) ; [B65D5/5011](#) ; [B65D5/662](#) ; [G01B5/25](#)
 CI - B65D5/48002 (US)
 - B65D5/48014 (EP)
 - B65D5/5011 (EP)
 - B65D5/662 (EP)
 - B65D5/6626 (US)
 - G01B5/25 (EP)
 PA - (A1 B2)
 SCHULD REINHARD [DE]; BOEHRINGER INGELHEIM PHARMA [DE]
 TI - (A1)
 FOLDING **BOX**
 - (B2)
 Folding compartmented **box**
 AB - (A1 B2)
 The invention relates to a folding **box** made from a one-piece **cardboard blank** (28) comprising an integrally formed hinged lid (7) that overlaps an upper end area of a rectangular-cuboid-shaped body (1) on three sides, is connected to a rear wall (5) of the body (1) through a fold line (6), and lies flush on a front wall (4) and two side walls (3) in the closed state, and having a front **panel** (9) and two side panels (10) that form a collar (11) that protrudes into the hinged lid (7), wherein the front **panel** (9) is arranged parallel to and at a distance from the front wall (4) and divides the body (1) into a main compartment (12) and a front compartment (13).

21/269 © EPODOC / EPO

PN - [US2011303740](#) A1 20111215
 PR - DE20082015493U 20081121; WO2009EP64969 20091111
 AP - US200913128587 20091111
 DT - **
 CT - || R141 (A1)
[US306620](#) A 18841014 [];
[US1556514](#) A 19251006 [] (FELDMAN MORRIS E);
[US3039671](#) A 19620619 [] (TIM CHIAMARDAS EFTHYM);
[US4134495](#) A 19790116 [] (FRIEDMAN HERBERT);
[US5277304](#) A 19940111 [] (BRIZZI MARCO [IT], et al);
[US5361898](#) A 19941108 [] (GOTTLIEB STEVEN [US]);
[US5439105](#) A 19950808 [] (FÖCKE HEINZ [DE]);
[US5513752](#) A 19960507 [] (GOTTLIEB STEVEN [US]);
[US5586648](#) A 19961224 [] (FÖCKE HEINZ [DE], et al);
[US6702108](#) B2 20040309 [] (LO DUCA CARMELO [IT]);
[US6913140](#) B2 20050705 [] (LO DUCA CARMELO [IT]);
[US6923366](#) B2 20050802 [] (LO DUCA CARMELO [IT]);
[US2007261980](#) A1 20071115 [] (COX MARK A [GB], et al);
[US7726549](#) B2 20100601 [] (LO DUCA CARMELO [IT])
 CCI - [B65D5/48014](#) ; [B65D5/5011](#) ; [B65D5/662](#) ; [G01B5/25](#)
 CI - B65D5/48002 (US)
 - B65D5/48014 (EP)
 - B65D5/5011 (EP)
 - B65D5/662 (EP)
 - B65D5/6626 (US)

- G01B5/25 (EP)

PA - SCHULD REINHARD [DE]; BOEHRINGER INGELHEIM PHARMA [DE]

TI - FOLDING **BOX**

AB - The invention relates to a folding **box** made from a one-piece **cardboard blank** (28) comprising an integrally formed hinged lid (7) that overlaps an upper end area of a rectangular-cuboid-shaped body (1) on three sides, is connected to a rear wall (5) of the body (1) through a fold line (6), and lies flush on a front wall (4) and two side walls (3) in the closed state, and having a front **panel** (9) and two side panels (10) that form a collar (11) that protrudes into the hinged lid (7), wherein the front **panel** (9) is arranged parallel to and at a distance from the front wall (4) and divides the body (1) into a main compartment (12) and a front compartment (13).

22/269 © EPODOC / EPO

PN - [TW200500198](#) A 20050101

PNFP - TWI308521B B 20090411

PR - US20030386136 20030311

AP - TW20040106382 20040310

DT - I

CCI - [B65D77/065](#)

CCA - - [B31B2105/00](#) ; [B31B2120/408](#)

CI - B65D77/065 (EP, KR)

CA - B31B2105/00 (EP, KR)
- B31B2120/408 (EP, KR)

PA - (A B)
LBP MFG INC [US]

TI - (A B)
Machine for and method of securing a lining bag at precise locations on the inner surface of a container **blank**

AB - (A)
An automated machine for and the method of fabricating containers made from a **cardboard** paperboard or corrugated paperboard **blank** having an inner liquid holding bag secured of the inner surface of the paperboard **box**. The liquid holding bag includes a spout is extends through a spout opening formed in the paperboard **blank**. During the fabrication process the spout is utilized to precisionally locate the liquid holding bag so that when the **panel** of the bank with the spout opening is folded down over the spout, the spoilt will be properly aligned with the spout opening thus facilitating the automatic assembly of the container. In this automatic assembly process the liquid holding bag is secured to the inner surface of the container at multiple locations such that when the container is opened into its three dimensional use configuration a passage is opened for filling the bag through the spout.

23/269 © EPODOC / EPO

PN - [RU2010103295](#) A 20110810

PNFP - RU2470842 C2 20121227

PR - GB20070012824 20070703; WO2008GB02272 20080701

AP - RU20100103295 20080701

DT - I

CT - - || STSE (C2)
[GB2176767](#) A 19870107 [] (JUJO PAPER CO LTD);
[GB2135970](#) A 19840912 [] (SANYO KOKUSAKU PULP CO);
[US4192446](#) A 19800311 [] (NAITO NAOKI [JP]);
[US2006124715](#) A1 20060615 [] (KORTSMIT PETER [US], et al);
[GB435891](#) A 19351001 [] (CHARLES EUGENE QUAEGBEHEUR);
[RU2214954](#) C2 20031027 [] (IZIKARTON LTD [GB])

CCI - [B65D5/061](#)

CI - B65D5/061 (EP)

PA - (C2)
EHLOPAK SYSTEMS AG [CH]

TI - (C2)
TOP OR BOTTOM STRUCTURE FOR FOLDED CONTAINER

AB - (C2)
FIELD: transport, package.SUBSTANCE: **box blank** from **cardboard** coated by plastic comprises first row of panels and connection **panel** integrated in single structure along punched lines and jointed to end part to make end closing means. End part comprises second row of panels consisting of four end panels integrated along additional punched lines with appropriate structural panels. First and third panels thereof serve to make outer panels of said end closing means. Second and fourth panels serve to make inner panels of end closing means. Punched lines on said second and fourth end panels are shaped to isosceles triangles, their bases being composed of punched lines in said second and fourth structural panels. End panels have appropriate free end sections. Note here that free end sections of first, third and fourth end panels have loosening lines extending along row with end panels. Free end section of first end **panel** extend outward from other end sections. Free end section of third end **panel** is cut on both sides in lateral

symmetry about its center to leave central tab while free ends of second and fourth panels are cut on sides in contiguity with third end **panel** to make appropriate cutouts with appropriate inclined edges to diverge outward.
EFFECT: reliable joint of flaps.9 cl, 5 dwg

24/269 © EPODOC / EPO

- PN - [CA2744393 A1 20100527](#)
- PNFP - CA2744393 C 20180109
- PR - DE20082015493U 20081121; WO2009EP64969 20091111
- AP - CA20092744393 20091111
- DT - I
- CCI - [B65D5/48014](#) ; [B65D5/5011](#) ; [B65D5/662](#) ; [G01B5/25](#)
- CI - B65D5/48002 (US)
- B65D5/48014 (EP)
- B65D5/5011 (EP)
- B65D5/662 (EP)
- B65D5/6626 (US)
- G01B5/25 (EP)
- PA - (A1 C)
BOEHRINGER INGELHEIM PHARMA [DE]
- TI - (A1 C)
FOLDING **BOX**
- AB - (A1)
The invention relates to a folding **box** made from a one-piece **cardboard blank** (28) comprising an integrally formed hinged lid (7) that overlaps an upper end area of a rectangular-cuboid-shaped body (1) on three sides, is connected to a rear wall (5) of the body through a fold line (6), and lies flush on a front wall (4) and two side walls (3) in the closed state, and having a front **panel** (9) and two side panels (10) that form a collar (11) that protrudes into the hinged lid, wherein the front **panel** (9) is arranged parallel to and at distance from the front wall (4) and divides the body (1) into a main compartment (12) and a front compartment (13).
- (C)
The invention relates to a folding **box** made from a one-piece **cardboard blank** (28) comprising an integrally formed hinged lid (7) that overlaps an upper end area of a rectangular-cuboid-shaped body (1) on three sides, is connected to a rear wall (5) of the body (1) through a fold line (6), and lies flush on a front wall (4) and two side walls (3) in the closed state, and having a front **panel** (9) and two side panels (10) that form a collar (11) that protrudes into the hinged lid (7), wherein the front **panel** (9) is arranged parallel to and at a distance from the front wall (4) and divides the body (1) into a main compartment (12) and a front compartment (13).

25/269 © EPODOC / EPO

- PN - [MY142715 A](#) 20101231
- PR - US20030386136 20030311
- AP - MY2004PI00849 20040311
- DT - I
- CCI - [B65D77/065](#)
- CCA - [B31B2105/00](#) ; [B31B2120/408](#)
- CI - B65D77/065 (EP, KR)
- CA - B31B2105/00 (EP, KR)
- B31B2120/408 (EP, KR)
- PA - LBP MFG INC [US]
- TI - MACHINE FOR AND METHOD OF SECURING A LINING BAG AT PRECISE LOCATIONS ON THE INNER SURFACE OF A CONTAINER **BLANK**
- AB - AN AUTOMATED MACHINE FOR AND THE METHOD OF FABRICATING CONTAINERS MADE FROM A **CARDBOARD** PAPERBOARD OR CORRUGATED PAPERBOARD **BLANK** HAVING AN INNER LIQUID HOLDING BAG SECURED TO THE INNER SURFACE OF THE PAPERBOARD **BOX**. THE LIQUID HOLDING BAG INCLUDES A SPOUT THAT EXTENDS THROUGH A SPOUT OPENING FORMED IN THE PAPERBOARD **BLANK**. DURING THE FABRICATION PROCESS THE SPOUT IS UTILIZED TO PRECISIONALLY LOCATE THE LIQUID HOLDING BAG SO THAT WHEN THE **PANEL** OF THE **BLANK** WITH THE SPOUT OPENING IS FOLDED DOWN OVER THE SPOUT, THE SPOUT WILL BE PROPERLY ALIGNED WITH THE SPOUT OPENING THUS FACILITATING THE AUTOMATIC ASSEMBLY OF THE CONTAINER. IN THIS AUTOMATIC ASSEMBLY PROCESS THE LIQUID HOLDING BAG IS SECURED TO THE INNER SURFACE OF THE CONTAINER AT MULTIPLE LOCATIONS SUCH THAT WHEN THE CONTAINER IS OPENED INTO ITS THREE DIMENSIONAL USE CONFIGURATION A PASSAGE IS OPENED FOR FILLING THE BAG THROUGH THE SPOUT.

26/269 © EPODOC / EPO

- PN - [RS20070435 A](#) 20090908
- PNFP - RS51493 B 20110430

PR - RS2007P000435 20071106
AP - RS2007P000435 20071106
DT - I
PA - (A B)
KARTEKS D O O [RS]
TI - (A)
CRATE SHAPED **BOX** FOR PACKAGING AND TRANSPORT OF FRUITS AND VEGETABLES
- (B)
CRATE SHAPED **BOX** FOR FRUIT AND VEGETABLES PACKING AND TRANSPORT
AB - (A)
Crate shaped **box** for packaging and transport of fruits and vegetables is made of corrugated board, **cardboard** or synthetic material. By cutting the board of previously mentioned materials, a tray **blank** is obtained which enables that the tray is easily, quickly and simply manually formed by folding side wall panels (2) and front wall panels (3), and end flaps (4) first, and then foldable **panel** (5) wing end flaps (7), and front foldable wall **panel** (6). Final forming of the tray (P) is carried out by means of a fastener (F), consisting of a case (18) and a cork (19), by inserting the case (18) into round apertures (8), made on end flaps (4) resting on each other, wall panels (2) end wing end flaps (7) and by inserting the cork (19) into the conical aperture (22) on the case (18).

27/269 © EPODOC / EPO

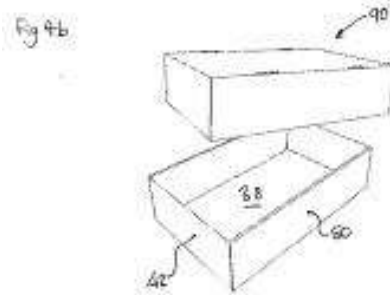
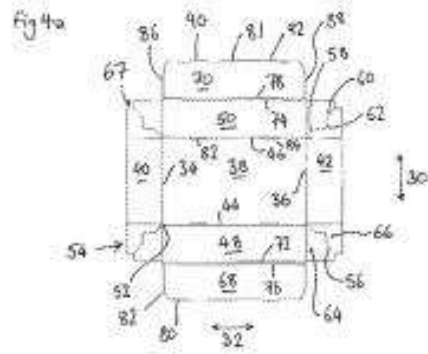
PN - [CA2678267](#) A1 20110301
PR - US20090551617 20090901
AP - CA20092678267 20090909
DT - I
PA - KITARU INNOVATIONS INC [BB]
TI - METHOD AND APPARATUS FOR MAKING, SHIPPING AND ERECTING BOXES
AB - A **cardboard box** with four side panels, four bottom flaps and four top flaps. The **box** is made from a **blank** having a first height measured between the outermost edges of the top and bottom flaps. The flaps are rotated into abutting contact with the exterior surface of the panels thereby reducing the overall height of the **box** to the height of the **panel**. Adjacent pairs of top and bottom flaps are provided with living hinges that enable them to remain in this position when the **box** is collapsed. The collapsed **box** is shipped through the mail in this diminished size and then erected into a **box** of the same height as the panels.

28/269 © EPODOC / EPO

PN - [GB2484127](#) A 20120404
PR - GB20100016462 20100930
AP - GB20100016462 20100930
DT - **
CT - || STSE (A)
[GB2361912](#) A 00000000 [];
[ES2263323](#) A1 00000000 [];
[FR2456613](#) A1 00000000 [];
[US2004217154](#) A1 00000000 []
CCI - [B65D5/54](#) ; [B65D85/36](#)
CCA - [B65D2585/366](#)
CI - B65D5/4266 (GB)
- B65D5/54 (EP)
- B65D85/36 (EP)
CA - B65D2585/366 (EP, GB)
PA - ATLANTIC ENTPR 2009 LTD [GB]
TI - Collapsible pizza **box** with surface reliefs
AB - A collapsible container, preferably a pizza **box** 10, consists of a **blank** having first 12 and second 14 main panels of sheet material, connected to one another at respective edges by a further **panel** 16. The first 12 and second 14 main panels are able to pivot about fold lines 16a, 16b so as to lie in face to face contact within one another. When the **blank** is erected into a **box** 10 the panels 12, 14 lie in spaced parallel relationship to one another. A pizza may be stored in the erected **box** 10. At least one of the main panels 12, 14 is provided with first and second surface reliefs 42, 46, 48 extending along respective perpendicular axes. The central region 58 of the **panel** 12, 14 or panels is not provided with the reliefs. The surface reliefs 42, 46, 48 allow the **box** 10 to be folded up or collapsed into a configuration that fits within a domestic refuse bin, while the central region 58 is strong enough to resist bowing caused by respective boxes 10 being stack one atop the other. The **box** 10 is preferably made of corrugated **cardboard**. Preferably the surface reliefs 42, 46, 48 are provided by lines of spaced short cuts which extend sufficiently far into the **cardboard** as to penetrate only one of its surface layers. The **box** 10 may have a formation that holds it in the collapsed configuration.

29/269 © EPODOC / EPO

PN - [GB2478518](#) A 20110914
 PNFP - GB2478518 B 20130320
 PR - GB20100003196 20100225
 AP - GB20100003196 20100225
 DT - *, Rep
 CT - || STSE (A)
 [GB1290267](#) A 00000000 [];
 [GB2028769](#) A 00000000 [];
 [EP0328509](#) A1 00000000 [];
 [JP2000006946](#) A 00000000 [];
 [JP2008285204](#) A 00000000 [];
 [US6155479](#) A 00000000 []
 - || STSE (B)
 [GB2028769](#) A 00000000 [];
 [GB1290267](#) A 00000000 [];
 [EP0328509](#) A1 00000000 [];
 [JP2008285204](#) A 00000000 [];
 [JP2000006946](#) A 00000000 [];
 [US6155479](#) A 00000000 []
 CCI - [B65D5/003](#) ; [B65D5/241](#) ; [B65D5/248](#) ; [B65D5/6667](#) ; [B65D5/68](#)
 CI - B65D5/003 (EP, GB)
 B65D5/241 (EP, GB)
 B65D5/248 (EP)
 B65D5/6626 (GB)
 B65D5/6667 (EP)
 B65D5/68 (EP)
 PA - (A B)
 TRM PACKAGING LTD [GB]
 TI - (A)
 Easy to erect **cardboard box** suitable for stacking
 (B)
 Box & blank thereof
 AB - (A)
 The invention is concerned with boxes formed of sheet material for easy erection by hand, and which are capable of stacking. Specifically it relates to a **blank** for a **box** which has a pair of longitudinal crease lines 44, 46 which divide a base **panel** 38 from side walls 68, 70 on opposite sides of the base **panel** 38. A pair of lateral crease lines 34, 36 divide the base **panel** 38 from end walls 40, 42 at its opposite ends. The longitudinal crease lines 44, 46 intersect the lateral crease lines 34, 36 to define corners of the base **panel** 9 and to define overlap regions 54 outside the base **panel** 38 at each of its four corners. A diagonal crease 56 intersects and terminates at each corner of the base **panel** 38 and divides it into a glued part defined by the respective longitudinal crease line 44, 46 and the diagonal crease 56, and a free part defined by the respective lateral crease line 34, 36 and the diagonal crease 56. Both of the side walls 68, 70 are folded inwardly to lie over the base **panel** 38 so that the overlap regions 54 lie above respective end walls 40, 42, their glued parts being adhered to the end walls 40, 42. Raising the side walls 68, 70 into an upright configuration with respect to the base 38 causes the overlap portions 54 to be folded back upon themselves about their diagonal crease lines 58 and the end walls 40, 42 to be automatically raised to an upright configuration. The **box** may be formed with a hinged lid. The **box** may be formed with tabs 62, 90, 92 to maintain it in the erected configuration.



PN - [US2010001056](#) A1 20100107

PNFP - US9061477 B2 20150623

PR - US20090551617 20090901; US20070955519 20071213

AP - US20090551617 20090901

DT - *, Rep

CT - || R141 (A1)
[US3727827](#) A 19730417 [] (STICE L);
[US2936239](#) A 19600510 [] (RENDALL WARREN C);
[US6701304](#) B2 20040302 [] (LEON JP [US]);
[US7831518](#) B2 20101109 [] (MONTGOMERY SCOTT [US], et al);
[US7065492](#) B2 20060620 [] (CINQUINI LAURA [US], et al);
[US2011108450](#) A1 20110512 [] (GOODRICH DAVID [US]);
[US2010078466](#) A1 20100401 [] (STACK JR STEVEN MICHAEL [US], et al);
[US8590774](#) B1 20131126 [] (SAUER JEFFREY S [US]);
[US8086344](#) B1 20111227 [] (MISHRA DEVESH [US], et al);
[US7614992](#) B2 20091110 [] (CHANDARIA KAPOOR [KE]);
[US6939063](#) B2 20050906 [] (BUSSELL KEITH [US]);
[US4012996](#) A 19770322 [] (STOLKIN WALTER J, et al);
[US1765104](#) A 19300617 [] (PORTER SHEARER JOHN);
[US2718348](#) A 19550920 [] (MONTFORT KENNETH W);
[US2783933](#) A 19570305 [] (SHARTS EARL L);
[US2967655](#) A 19610110 [] (SEGER JR GAYLORD E);
[US3373919](#) A 19680319 [] (SCHAICH WILBUR A);
[US4019673](#) A 19770426 [] (SALOMONS ARNOLD);
[US4059221](#) A 19771122 [] (OLSON GREGORY J, et al);
[US4887766](#) A 19891219 [] (SCHOENEWEIS MELVIN W [US]);
[US5148940](#) A 19920922 [] (MENDISE NICHOLAS E [US]);
[US5429295](#) A 19950704 [] (LEVY ABNER [US]);
[US5476218](#) A 19951219 [] (REISMAN MORRIS [US]);
[US5752650](#) A 19980519 [] (HENDERSON DAVID E [US]);
[US6918503](#) B1 20050719 [] (MOLANDER DAN [SE]);
[US6926153](#) B2 20050809 [] (CHANDARIA ASHOK V [KE]);
[US2005241978](#) A1 20051103 [] (PLUE JAMES [US], et al)

- || STSE (B2)
[US2936239](#) A 19600510 [] (RENDALL WARREN C);
[US3727827](#) A 19730417 [] (STICE L);
[US4012996](#) A 19770322 [] (STOLKIN WALTER J, et al);
[US6701304](#) B2 20040302 [] (LEON JP [US]);
[US6939063](#) B2 20050906 [] (BUSSELL KEITH [US]);
[US7065492](#) B2 20060620 [] (CINQUINI LAURA [US], et al);
[US7614992](#) B2 20091110 [] (CHANDARIA KAPOOR [KE]);
[US7831518](#) B2 20101109 [] (MONTGOMERY SCOTT [US], et al);
[US8086344](#) B1 20111227 [] (MISHRA DEVESH [US], et al);
[US8590774](#) B1 20131126 [] (SAUER JEFFREY S [US]);
[US2010078466](#) A1 20100401 [] (STACK JR STEVEN MICHAEL [US], et al);
[US2011108450](#) A1 20110512 [] (GOODRICH DAVID [US])

CTNP - || R141 (A1)
[] - Practical Ecommerce; "Shipping Rates: Flat Rate Boxes Usually Save Money"; August 312009; pages 1-3
[] - US Air Force; "Postal Service Offers First Time Military Discount"; <http://www.af.mil/News/ArticleDisplay/tabid/223/Article/124405/postal-service-offers-fir>; February 72008; pages 1-2

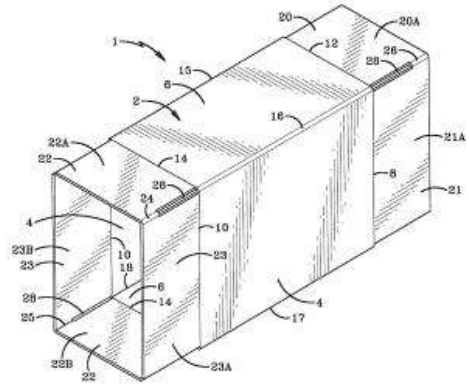
- || STSE (B2)
[] - Practical Ecommerce; "Shipping Rates: Flat Rate Boxes Usually Save Money"; Aug. 312009; pp. 1-3.
[] - US Air Force; "Postal Service Offers First Time Military Discount"; <http://www.af.mil/News/ArticleDisplay/tabid/223/Article/124405/postal-service-offers-fir>; Feb. 72008; pp. 1-2.

CCI - [B65D5/3621](#) ; [B65D5/4266](#)

CCA - [B31B50/88](#) ; [Y10T29/49826](#)

CI - B65D5/3621 (EP, US)
- B65D5/4266 (EP, US)

CA - B31B50/88 (EP)



- Y10T29/49826 (EP, US)
- PA - (A1)
KITARU INNOVATIONS INC [BB]
- (B2)
CHANDARIA KAPOOR [KE]; KITARU INNOVATIONS INC [BB]
- TI - (A1)
METHOD AND APPARATUS FOR MAKING, SHIPPING AND ERECTING
BOXES
- (B2)
Method and apparatus for making, shipping and erecting boxes
- AB - (A1 B2)
A **cardboard box** with four side panels, four bottom flaps and four top flaps. The **box** is made from a **blank** having a first height measured between the outermost edges of the top and bottom flaps. The flaps are rotated into abutting contact with the exterior surface of the panels thereby reducing the overall height of the **box** to the height of the **panel**. Adjacent pairs of top and bottom flaps are provided with living hinges that enable them to remain in this position when the **box** is collapsed. The collapsed **box** is shipped through the mail in this diminished size and then erected into a **box** of the same height as the panels.

31/269 © EPODOC / EPO

- PN - [WO2010057812](#) A1 20100527
- PR - DE20082015493U 20081121
- AP - WO2009EP64969 20091111
- DT - **
- CT - [EP] ISR (A1)
[WO9523740](#) A1 19950908 [XY] (GOTTLEIB STEVEN [US])
[X] 1,3,9
* page 15, line 8 - page 22, line 18; figures 1-5 *
[Y] 2,4,10,13;
[DE19741481](#) A1 19990325 [Y] (FOCKE & CO [DE])
[Y] 2
* column 5, line 41 - line 64; figures 8-11 *;
[DE9421160U](#) U1 19950511 [Y] (HENKEL KGAA [DE])
[Y] 4,13
* page 6, line 4 - page 10, line 19; figures 1,2 *;
[EP1826129](#) A2 20070829 [Y] (GI BI EFFE SRL [IT])
[Y] 10
* paragraph [0018] - paragraph [0023]; figures 1-6 *;
[US4134495](#) A 19790116 [A] (FRIEDMAN HERBERT)
[A] 1,4,9
* column 3, line 25 - column 5, line 10; figures 1-3 *;
[GB2276611](#) A 19941005 [A] (FOCKE & CO [DE])
[A] 1
* the whole document *

CCI - [B65D5/48014](#) ; [B65D5/5011](#) ; [B65D5/662](#) ; [G01B5/25](#)

- CI - B65D5/48002 (US)
- B65D5/48014 (EP)
- B65D5/5011 (EP)
- B65D5/662 (EP)
- B65D5/6626 (US)
- G01B5/25 (EP)

PA - BOEHRINGER INGELHEIM PHARMA [DE]; SCHULD REINHARD [DE]

TI - FOLDING **BOX**

AB - The invention relates to a folding **box** made from a one-piece **cardboard blank** (28) comprising an integrally formed hinged lid (7) that overlaps an upper end area of a rectangular-cuboid-shaped body (1) on three sides, is connected to a rear wall (5) of the body through a fold line (6), and lies flush on a front wall (4) and two side walls (3) in the closed state, and having a front **panel** (9) and two side panels (10) that form a collar (11) that protrudes into the hinged lid, wherein the front **panel** (9) is arranged parallel to and at distance from the front wall (4) and divides the body (1) into a main compartment (12) and a front compartment (13).

32/269 © EPODOC / EPO

PN - [FR2945516](#) A1 20101119

PNFP - FR2945516 B1 20110617

PR - FR20090053157 20090513

AP - FR20090053157 20090513

DT - *; Rep

CT - || STSE (A1)
[US5799864](#) A 19980901 [A] (MERTZ NOEL J [US])
 [A] 1,8,10
 * figures 1-6 *;
[US2005274779](#) A1 20051215 [A] (KUHN WAYNE H [US], et al)
 [A] 1,8,10
 * figures 1-14 *;
[US2003150903](#) A1 20030814 [A] (HANNA DAVID M [US])
 [A] 1,8,10
 * figures 1-7 *;
[CH591369](#) A5 19770915 [A] (OSTHUSHENRICH KG)
 [A] 1
 * figures 1-3 *

CCI - [B65D5/302](#)

CCA - [B65D2401/10](#) ; [B65D2585/366](#)

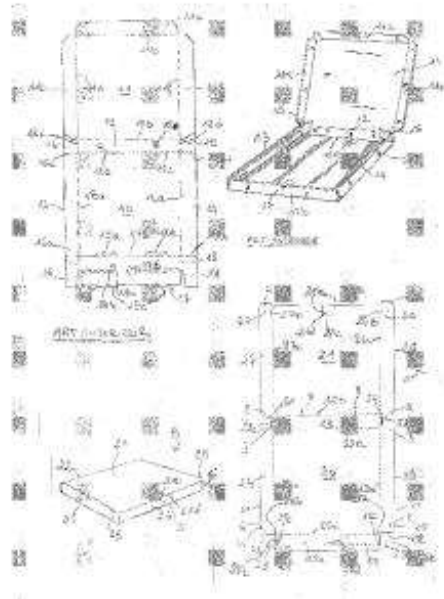
CI - B65D5/302 (EP)

CA - B65D2401/10 (EP)
 - B65D2585/366 (EP)

PA - (A1 B1)
 COHEN SERGE [FR]

TI - (A1)
 Semi-rigid material cutout **blank** i.e. **cardboard**, for forming parallelepipedic shaped **box** to pack food product i.e. pizza, has foldable shutter and side pavements comprising mutual co-operation unit formed of tabs and notches

AB - (A1)
 The **blank** (2) has a transverse pavement arranged opposite to a connection strip (22), where the pavement is extended by a foldable shutter (28) by folding along a folding line (28a) parallel to a folding line (25a) of a rectangular **panel** (20). Pavements (26, 27) are arranged and connected in periphery of another rectangular **panel** (21) by folding lines (26a, 27a) to form flaps of a lid. The shutter and side pavements (23, 24) of the former **panel** comprise a mutual co-operation unit formed of tabs (29) and notches (40) for closing and locking a parallelepipedic shaped **box**.



33/269 © EPODOC / EPO

PN - [RU2008102999](#) A 20090727

PNFP - RU2464212 C2 20121020

PR - GB20070001396 20070125

AP - RU20080102999 20080125

DT - I

CCI - [B65D71/42](#)

CI - B65D71/42 (EP)

PA - (C2)
 MIDVESTVAKO PEHKEHDZHING SISTEMZ EHLEHLSI [US]

TI - (C2)
 GROUP PACKAGES FOR VESSELS WITH FLANGES

AB - (C2)

FIELD: transport, package. ^ SUBSTANCE: set of inventions relates to **cardboard** group package and piling articles into assembled **cardboard box**. Preassembled **box** comprises top **panel** jointed with attachment **panel** to turn about first edge by means of rotary joint. Part of attachment **panel** is secured in surface contact with top **panel** section arranged nearby rotary joint for producing recess between attachment **panel** and top **panel** to allow article part to slide sideways for its retention. Note here that attachment **panel** and/or top **panel** comprises one or more ledges or ribs to make article hooking means. Proposed package comprises above described **cardboard box** and article or set of articles retained therein. Note here that article or set of articles are extracted from said **box** by making them slide in direction parallel with rotary joint. **Blank** for making **box** comprises first and second panels jointed together to turn about rotary joint. Note here that said first and second panels make top **panel** and attachment **panel** in finished **box** wherein attachment **panel** features size that allows it to be attached to top **panel** in flexing along rotary joint. Note here that

sufficient part of attachment **panel** will stay unattached to make recess to receive article extending part retaining in finished **cardboard box**. Attachment **panel** and/or top **panel** comprises one or more ledges or ribs to make article hooking means. ^ EFFECT: reliable fixture on packed articles. ^ 20 cl, 6 dwg

34/269 © EPODOC / EPO

PN - [GB2459373](#) A 20091028
PR - GB20080007260 20080421
AP - GB20090006855 20090421
DT - *; Rep
CT - || STSE (A)
[GB2289041](#) A 00000000 [];
[GB2442464](#) A 00000000 [];
[US2003230504](#) A1 00000000 [];
[US2004074956](#) A1 00000000 [];
[US2006124507](#) A1 00000000 [];
[US2007257095](#) A1 00000000 []

CCI - [B65D5/16](#) ; [B65D5/542](#)

CI - B65D5/16 (EP)

- B65D5/542 (EP, GB)

PA - DS SMITH PACKAGING LTD [GB]

TI - Transit and display **box**

AB - The invention relates to a transit and display container 1 formed from a single **blank** of rupturable material such as **cardboard** or fluted board. At least a front wall 2 of the container 1 has a double thickness of the material which defines via lines of weakness 3, 4 superposed panels 5, 6 which are removable when hand force is applied to the lines of weakness to define an access opening 7 in the front wall. Before rupture of the lines of weakness 3, 4, there is no access opening in the front **panel** of the front wall. The invention is said to mitigate the problem of jagged edges being formed after removal of a rupture **panel**.

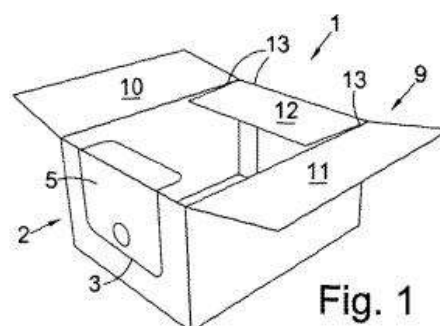


Fig. 1

35/269 © EPODOC / EPO

PN - [WO2007127242](#) A2 20071108
PNFP - WO2007127242 A3 20080912
PR - US20060411326 20060426
AP - WO2007US10008 20070426
DT - **
CT - [US] ISR (A3)
[US5845424](#) A 00000000 [A];
[US3610510](#) A 00000000 [A]

CCI - [B65D5/029](#) ; [B65D5/62](#) ; [B65D5/723](#) ; [B65D77/003](#) ; [B65D85/60](#)

CI - B65D5/029 (EP)

- B65D5/62 (EP)

- B65D5/723 (EP)

- B65D77/003 (EP)

- B65D85/60 (EP)

PA - (A2 A3)
HENGAMI DAVID T [US]

TI - (A2 A3)
HEARTSHAPED PACKAGE

AB - (A2)

A package for dispensing pourable solid product includes a **box** having a pair of heart-shaped sides and a moveable slide for selectively opening and closing the product dispensing opening in the bottom portion of the **box**. Preferably the moveable slide is hingedly connected to an actuation **panel** extending down a side of the **box**. The package further preferably includes a wrapping applied to the **box** with a tear-away portion covering only the opening and slide, such that the tear away portion can be removed and the remainder of the wrapping stays in place decorating the **box**. Preferably and to great cost advantage, the **box** is formed from a single **blank** sheet of paper **cardboard** stock.

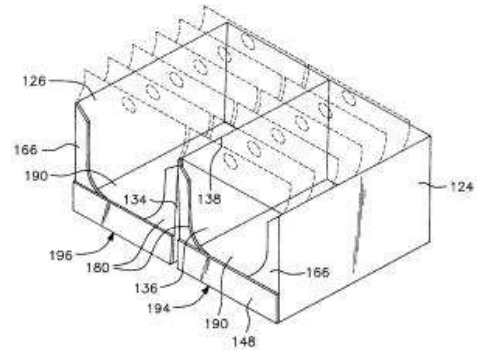
- (A3)

A package for dispensing a pourable solid product includes a **box** (10) having a pair of heart shaped sides and a movable slide (34) for selectively opening and closing the product dispensing opening (22) in the bottom of the **box**.

36/269 © EPODOC / EPO

PN - [US6129211](#) A 20001010
 PR - NL19971005038 19970117
 AP - US19970969621 19971107
 DT - *, Rep
 CT - || STSE (A)

[US1657942](#) A 00000000 [];
[US1663765](#) A 00000000 [];
[US1919880](#) A 00000000 [];
[US2020876](#) A 00000000 [];
[US2131391](#) A 00000000 [];
[US2152079](#) A 00000000 [];
[US2269715](#) A 00000000 [];
[US2315999](#) A 00000000 [];
[US2336088](#) A 00000000 [];
[US2395558](#) A 00000000 [];
[US2407415](#) A 00000000 [];
[US2446366](#) A 00000000 [];
[US2751964](#) A 00000000 [];
[US2888132](#) A 00000000 [];
[US2967610](#) A 00000000 [];
[US3002613](#) A 00000000 [];
[US3050234](#) A 00000000 [];
[US3090483](#) A 00000000 [];
[US3139979](#) A 00000000 [];
[US3263900](#) A 00000000 [];
[US3280968](#) A 00000000 [];
[US3305078](#) A 00000000 [];
[US3322263](#) A 00000000 [];
[US3326369](#) A 00000000 [];
[US3360120](#) A 00000000 [];
[US3362616](#) A 00000000 [];
[US3385430](#) A 00000000 [];
[US3389850](#) A 00000000 [];
[US3458109](#) A 00000000 [];
[US3474949](#) A 00000000 [];
[US3653495](#) A 00000000 [];
[US3884348](#) A 00000000 [];
[US4039120](#) A 00000000 [];
[US4053101](#) A 00000000 [];
[US4077512](#) A 00000000 [];
[US4113100](#) A 00000000 [];
[US4377237](#) A 00000000 [];
[US4467923](#) A 00000000 [];
[US4519538](#) A 00000000 [];
[US4553666](#) A 00000000 [];
[US4742917](#) A 00000000 [];
[US4746010](#) A 00000000 [];
[US4773541](#) A 00000000 [];
[US4778057](#) A 00000000 [];
[US4793487](#) A 00000000 [];
[US4905837](#) A 00000000 [];
[US4919269](#) A 00000000 [];
[US5012929](#) A 00000000 [];
[US5034234](#) A 00000000 [];
[US5050741](#) A 00000000 [];
[US5092467](#) A 00000000 [];
[US5098757](#) A 00000000 [];
[US5167324](#) A 00000000 [];
[US5249738](#) A 00000000 [];
[US5299733](#) A 00000000 [];
[US5318223](#) A 00000000 [];
[US5332150](#) A 00000000 [];
[US5398869](#) A 00000000 [];
[US5413276](#) A 00000000 [];
[US5415343](#) A 00000000 [];
[US5465151](#) A 00000000 [];
[US5505371](#) A 00000000 [];
[US5507430](#) A 00000000 [];
[US5507432](#) A 00000000 [];



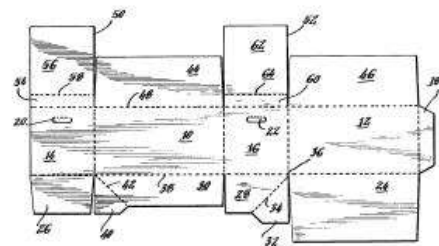
[US5555982](#) A 00000000 [];
[US5560692](#) A 00000000 [];
[US5572825](#) A 00000000 [];
[US5582345](#) A 00000000 [];
[US5660325](#) A 00000000 [];
[EP0726205](#) A1 00000000 [];
[FR2663614](#) A3 00000000 [];
[FR2669893](#) A1 00000000 [];
[DE29611809U](#) U1 00000000 [];
[NL302307](#) A 00000000 [];
[NL7205624](#) A 00000000 [];
[GB358560](#) A 00000000 [];
[GB1454527](#) A 00000000 [];
[WO9115403](#) A1 00000000 []

- CTNP - || STSE (A)
 [] - Advertising material relating to the PROFILE SAAM Box.
- CCI - [B65D5/5253](#) ; [B65D5/5405](#) ; [B65D5/5445](#)
- CI - B65D5/5253 (EP)
 - B65D5/5405 (EP)
 - B65D5/5445 (EP)
- TI - Rectangular shipping **box** and display container
- AB - A rectangular folding **box** comprises at least four side walls (1 to 4 inclusive), which are connected to one another by fold lines, and a bottom wall (5 to 8 inclusive) comprising flaps. In order to provide the folding **box** with a display function, one of the side walls (1) has in the center a tear line (14) which runs perpendicular to the bottom wall (5 to 8 inclusive). Furthermore, the bottom wall has in the center a tear line (16, 17) which adjoins the tear line (14) of the said side wall (1). The side wall (3) which is situated opposite the side wall (1) provided with a tear line (14) can be folded along a line (15) which adjoins the tear line (16, 17) of the bottom wall and runs parallel to the tear line (14) of the first side wall (1) mentioned. The folding **box** is formed from a one-piece, substantially rectangular foldable **blank** of corrugated **cardboard** provided with a unique arrangement of fold lines, tear lines, tear strips and cut lines or severance lines to facilitate formation of the shipping **box** and conversion to a display container. In one embodiment, the top or front wall has a removable **panel** connected to a tear tape which facilitates the **box** being divided into two container sections. The sections are then pivoted to a position alongside of each other to expose a plurality of packages oriented interiorly of the container in a manner to effectively display the packages.

37/269 © EPODOC / EPO

- PN - [US4187976 A 19800212](#)
- PR - US19780937208 19780828
- AP - US19780937208 19780828
- DT - *; Rep
- CT - || STSE (A)
[NO115106B](#) B 19680722 [] (IVERSEN O [NO]);
[US2163117](#) A 00000000 [];
[US2898029](#) A 00000000 [];
[US2943780](#) A 00000000 [];
[US3014635](#) A 00000000 []

- CCI - [B65D5/3621](#) ; [B65D5/443](#)
- CI - B65D5/3621 (EP)
 - B65D5/443 (EP)
- PA - CHAMPION INT CORP [US]
- TI - Collapsible container with reinforcing members
- AB - A rectangular, collapsible container includes a collapsible lock bottom structure in which each bottom side flap is glued to a bottom end flap. At least two of the bottom flaps have fold lines which permit the **box** bottom to collapse inwardly. The container includes cover flaps which extend from the upper



edges of side wall panels and which overlap one another in a closed position. Reinforcing members extend from the upper edges of the end wall panels. Each reinforcing member includes a relatively narrow bridge **panel** which extends toward the opposite end **panel** and a locking **panel** of which extends downwardly from the edge of the bridge **panel** to a position at the bottom of the container at which it engages a bottom or floor **panel** to help rigidify the container. Preferably, the container is made from a one piece **blank** of a suitable sheet material such as **cardboard** or containerboard.

38/269 © EPODOC / EPO

PN - [US2005043157](#) A1 20050224

PNFP - US7066869 B2 20060627

PR - US20040895506 20040721; US20030386136 20030311

AP - US20040895506 20040721

DT - **

CT - || R141 (A1)

[US2776224](#) A 19570101 [] (COTE OMER E);
[US3227322](#) A 19660104 [] (CRAIN ROBERT E);
[US3363807](#) A 19680116 [] (POWELL HOWARD P);
[US3785254](#) A 19740115 [] (MANN R);
[US5281271](#) A 19940125 [] (GOVANI KISHORE K [IN], et al);
[US5704541](#) A 19980106 [] (MOGARD JENS [US]);
[US5857309](#) A 19990112 [] (CICHA JOHN [US], et al);
[US6168074](#) B1 20010102 [] (PETRIEKIS PAUL F [US], et al);
[US5715992](#) A 19980210 [] (ANDREWS SR JARED P [US], et al);
[US6186493](#) B1 20010213 [] (TORIYAMA DAIGORO [JP]);
[US5193712](#) A 19930316 [] (KUEPPERSBUSCH GERD [DE]);
[US4658961](#) A 19870421 [] (TAMURA TAKEO [JP]);
[US6053401](#) A 20000425 [] (ANDREWS SR JARED P [US]);
[US2002047040](#) A1 20020425 [] (ANDREWS JARED P [US], et al);
[US5212656](#) A 19930518 [] (CLARY MICHAEL W [US], et al);
[US6062431](#) A 20000516 [] (GESHAY JAMES F [US]);
[US6228010](#) B1 20010508 [] (TORIYAMA DAIGORO [JP]);
[US4930830](#) A 19900605 [] (TORIYAMA DAIGORO [JP]);
[US5024478](#) A 19910618 [] (TORIYAMA DAIGORO [JP]);
[US6253993](#) B1 20010703 [] (LLOYD MICHAEL M [US], et al);
[US3144816](#) A 19640818 [] (WALKER JAMES H, et al);
[US5137506](#) A 19920811 [] (HAENEL MAX K [US], et al);
[US4471884](#) A 19840918 [] (KUCHENBECKER MORRIS W [US]);
[US6290124](#) B2 20010918 [] (ANDREWS SR JARED P [US], et al);
[US5970682](#) A 19991026 [] (FOCKE HEINZ [DE], et al);
[US6629916](#) B2 20031007 [] (VIJUK JOSEPH M [US], et al);
[US5993367](#) A 19991130 [] (HATTORI KOJI [JP], et al);
[US6145275](#) A 20001114 [] (SWEENEY DAVID J [US]);
[US4629445](#) A 19861216 [] (TORIYAMA DAIGORO [JP])

- || STSE (B2)

[US2776224](#) A 19570101 [] (COTE OMER E);
[US5137506](#) A 19920811 [] (HAENEL MAX K [US], et al);
[US5212656](#) A 19930518 [] (CLARY MICHAEL W [US], et al);
[US5857309](#) A 19990112 [] (CICHA JOHN [US], et al);
[US5970682](#) A 19991026 [] (FOCKE HEINZ [DE], et al);
[US5993367](#) A 19991130 [] (HATTORI KOJI [JP], et al);
[US6145275](#) A 20001114 [] (SWEENEY DAVID J [US]);
[US6629916](#) B2 20031007 [] (VIJUK JOSEPH M [US], et al)

CCI - [B65D77/065](#)

CCA - [B31B2105/00](#) ; [B31B2120/408](#)

CI - B65D77/065 (EP, KR)

CA - B31B2105/00 (EP, KR)

- B31B2120/408 (EP, KR)

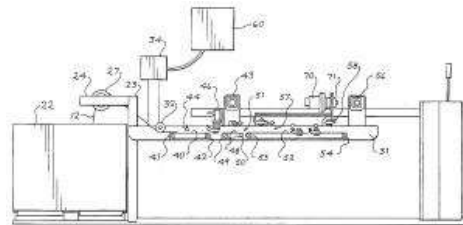
PA - (A1 B2)

LBP MFG INC [US]

TI - (A1 B2)

Machine for and method of securing a lining bag at precise locations on the inner surface of a container **blank**

AB - (A1 B2)



An automated machine for and the method of fabricating containers made from a **cardboard** paperboard or corrugated paperboard **blank** having an inner liquid holding bag secured to the inner surface of the paperboard **box**. The liquid holding bag includes a spout that extends through a spout opening formed in the paperboard **blank**. During the fabrication process the spout is utilized to precitionally locate the liquid holding bag so that when the **panel** of the **blank** with the spout opening is folded down over the spout, the spout will be properly aligned with the spout opening thus facilitating the automatic assembly of the container. In this automatic assembly process the liquid holding bag is secured to the inner surface of the container at multiple locations such that when the container is opened into its three dimensional use configuration a passage is opened for filling the bag through the spout.

39/269 © EPODOC / EPO

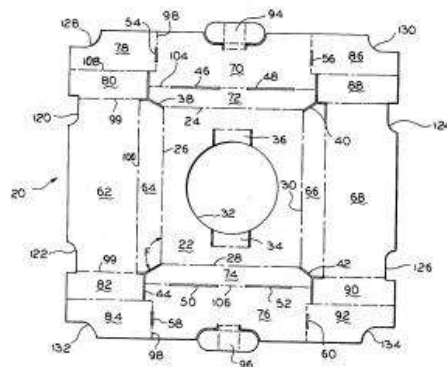
PN - [US4119265](#) A 19781010
 PR - US19770827557 19770825
 AP - US19770827557 19770825
 DT - *, Rep
 CT - || STSE (A)
[US2846132](#) A 00000000 [];
[US2909105](#) A 00000000 [];
[US2914234](#) A 00000000 [];
[US3067924](#) A 00000000 [];
[US3146933](#) A 00000000 [];
[US3246829](#) A 00000000 [];
[US3335935](#) A 00000000 [];
[US3606078](#) A 00000000 [];
[US3734391](#) A 00000000 []

CCI - [B65D5/0035](#)
 CI - B65D5/0035 (EP)
 PA - FIDELITY CONTAINER CORP
 TI - Seamless leakproof container
 AB - A single and unitary, generally rectangular **blank** is preferably made of corrugated **cardboard**, with a waterproof surface. On the corners of the **blank**, a pair of triangular panels are brought together, in a V-fold, and into a face-to-face contact. Then, the corner panels are folded over the ends of a **box** as the four sides of the rectangular **blank** are raised to form the side and end panels of a five-sided **box**. A cover **panel** is integrally joined to one edge of a side **panel**, to swing down and close the **box**. While the leakproof **box** has many uses, it is presently thought that it will primarily be used to ship frozen poultry.

40/269 © EPODOC / EPO

PN - [US4134497](#) A 19790116
 PR - US19770823436 19770810
 AP - US19770823436 19770810
 DT - *, Rep
 CT - || STSE (A)
[US3048323](#) A 00000000 [];
[US3116154](#) A 00000000 [];
[US3211359](#) A 00000000 [];
[US3219256](#) A 00000000 [];
[US3302779](#) A 00000000 [];
[US3337113](#) A 00000000 [];
[US3386642](#) A 00000000 [];
[US3446419](#) A 00000000 [];
[US3790065](#) A 00000000 [];
[US3871572](#) A 00000000 [];
[US3966113](#) A 00000000 []

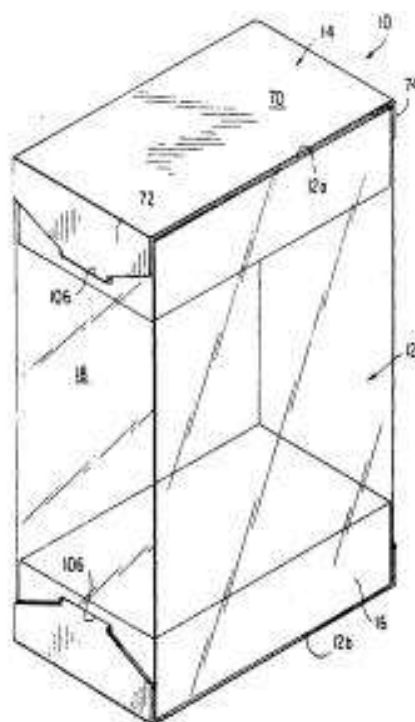
CCI - [B65D5/5038](#)
 CI - B65D5/5038 (EP)
 PA - FIDELITY CONTAINER CORP
 TI - Shock absorbing carton insert
 AB - A preferably corrugated **cardboard**, shock-absorbing carton insert completely surrounds a product except for the top which



is open to display the product to view. The insert is made from a corrugated **cardboard blank** having preformed score and cut lines which enable the **blank** to fold into a generally rectangular **box** having enlarged end panels that support the **box** in a position which is spaced away from all adjacent structures. There is a V-shaped fold between the **box** and each of its end panels to provide greater rigidity and further strength. Tab ends are positioned between the **box** and the end **panel** to help absorb a shock in any direction. The corrugated **cardboard** automatically assumes a desired end-product configuration responsive to four simple folding motions.

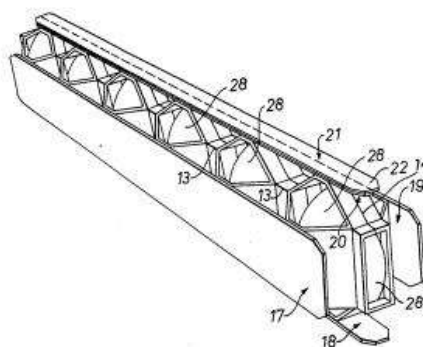
41/269 © EPODOC / EPO

- PN - [US5100052](#) A 19920331
 PR - US19910760279 19910916
 AP - US19910760279 19910916
 DT - *; Rep
 CT - || STSE (A)
[US2111838](#) A 00000000 [];
[US3342401](#) A 00000000 [];
[US3447672](#) A 00000000 [];
[US3632038](#) A 00000000 [];
[US3899117](#) A 00000000 [];
[US3913774](#) A 00000000 [];
[US3986659](#) A 00000000 [];
[US4291829](#) A 00000000 [];
[US8933297](#) A 00000000 []
 CCI - [B65D5/14](#)
 CI - B65D5/14 (EP)
 PA - SLM MANUFACTURING CORP [US]
 TI - Tubular display packages with tab locking, double wall hollow insert closure **box**
 AB - Longitudinal extensions of the outer **panel** of a double-walled insert closure **box** form tabs to opposite sides of an open-ended tubular sleeve of a rectangular cross-section having opposed longitudinal spaced end walls within which rectangular, parallelepiped, hollow insert closure boxes are inserted. Narrow elongated slots within the sleeve end walls and the **box** end walls extending parallel to the outer **panel**, insertably receive an integral lug at the terminal end of the tabs. The lugs have laterally opposed projections forming a barb of a width in excess of the length of the elongated slots to frictionally lock the insert closure **box** to the tubular sleeve when the extensions are bent at right angles to the outer **panel** and the lugs bent at right angles thereto and passed through the aligned slots. Insert closure boxes at respective ends of the tubular sleeve, are preferably formed of folded **cardboard** sheet material precut as a single **box blank** from a sheet of **cardboard**. The open-ended tubular sleeve may be formed transparent flexible plastic sheet material.



42/269 © EPODOC / EPO

- PN - [US4621484](#) A 19861111
 PR - CH19840002578 19840525
 AP - US19850737826 19850524
 DT - **
 CT - || STSE (A)
[US3249024](#) A 19660503 [] (SHIU THOMAS B);
[US3983680](#) A 19761005 [] (CASUTT TONI);
[US4132346](#) A 19790102 [] (CASUTT TONI);
[US4387549](#) A 19830614 [] (CASUTT TONI [CH]);
[US4480421](#) A 19841106 [] (RECE WESLEY J [US])
 CCI - [B65D85/32](#)
 CCA - [B31B50/76](#) ; [B31B50/81](#) ; [B31B2100/00](#) ; [B31B2120/20](#) ;
[B31B2120/30](#) ; [B31B2241/002](#) ; [Y10S493/913](#)
 CI - B65D85/32 (EP)



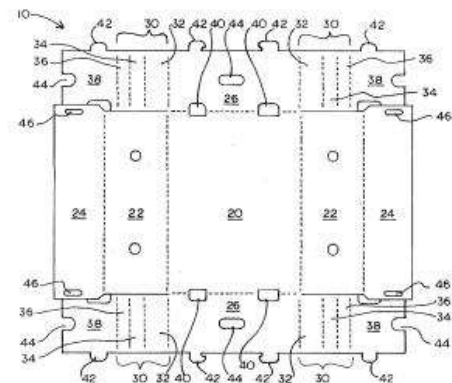
- CA - B31B50/76 (EP)
 - B31B50/81 (EP)
 - B31B2100/00 (EP)
 - B31B2120/20 (EP)
 - B31B2120/30 (EP)
 - B31B2241/002 (EP)
 - Y10S493/913 (EP)
- PA - CASUTT TONI [CH]
- TI - Method of making a folded up egg pack
- AB - In an egg **box** made from slitted **cardboard** blanks of which one provides wave strips joined only at their wave crests for folding around to make pockets for the eggs and the other **blank** provides flat bottom and side **panel** or cover strips which brace the wave strips by being glued to the wave trough bottoms of the wave strips, top cover strips respectively glued to the half width wave strips that come together (when the top wave strips are folded around the eggs already packed in the pockets previously formed,) do not both correspond in width to the top wave strips, but one of them has an overlapping free edge the underside of which is bonded adhesively to the other top **panel** strip. The adhesive bonding is done with a hot-sticking adhesive which when cooled without being covered is no longer sticky. The adhesive is laid down in strips on the wider and shorter **blank** which provides the cover strips at locations corresponding to the wave trough bottoms that are to be glued on. While it is hot the longer and narrower wave **blank**, bent into waves, is glued on, leaving the edge portion of the wider **blank** with spaced cross-ribbons of adhesive which are allowed to cool so that they are no longer sticky. The glued blanks are then filled at a packing station but before they are folded to make pockets, for the eggs, the free edge strip is heated with hot air to soften the adhesive ribbons and then the **box** is set up and filled and after the top of the **box** is folded into place, the overlapping free edge strip is pressed against the underlying cover strip to stick the two together. When the adhesive has cooled the pack is secured.

43/269 © EPODOC / EPO

- PN - [US5673848](#) A 19971007
- PR - US19960680783 19960716; US19950411268 19950327
- AP - US19960680783 19960716
- DT - *; Rep
- CT - || STSE (A)
[US3079058](#) A 19630226 [] (RUSSELL HENRY R);
[US3162351](#) A 19641222 [] (RUDOFSKI LE ROY V);
[US4056223](#) A 19771101 [] (WILLIAMS MICHAEL M);
[US4236664](#) A 19801202 [] (HARTELMUELLER LUDWIG);
[US4417686](#) A 19831129 [] (WOZNIACKI ROGER M [US]);
[US5002221](#) A 19910326 [] (RAGAN PHILIP J [US]);
[US5261594](#) A 19931116 [] (BROWN JAMES M [US], et al);
[US5294044](#) A 19940315 [] (CLARK DANNY W [US]);
[US5333777](#) A 19940802 [] (ROTH OSCAR [CH]);
[US5535941](#) A 19960716 [] (GARZA JUAN R [MX])

- CCI - [B65D5/002](#) ; [B65D5/6644](#)
- CCA - [Y10S229/915](#) ; [Y10S229/918](#) ; [Y10S229/919](#)
- CI - B65D5/002 (EP)
 - B65D5/6644 (EP)
- CA - Y10S229/915 (EP)
 - Y10S229/918 (EP)
 - Y10S229/919 (EP)

- TI - Corrugated **box** having corner support posts
- AB - The present invention provides a improved corrugated **cardboard box** formed from a single pre-cut and pre-scored **blank**. The **box** can better support vertical and lateral loads, such as are present when many like boxes are stacked in a column, making the **box** ideal for packaging and shipping



easily damaged produce such as tomatoes. The **box** is typical in that it includes a bottom **panel**, two side panels, two top panels, and two end panels. The improvement resides in the provision of a corner support post at each corner of the **box**. Each corner support post includes a vertically extending corner support **panel**, which is attached to the side edge of the end **panel**, and an interior bracing **panel** which extends from the corner support **panel** to the inner surface of the end **panel**. In a preferred embodiment, the post also includes a connecting **panel** disposed between the corner support **panel** and the interior bracing **panel**.

44/269 © EPODOC / EPO

PN - [US5797543](#) A 19980825
 PR - NL19951000350 19950512
 AP - US19960651337 19960510
 DT - **
 CT - || STSE (A)
 [US515668](#) A 00000000 [];
 [US2203697](#) A 00000000 [];
 [US2325281](#) A 00000000 [];
 [US2573524](#) A 00000000 [];
 [US4026458](#) A 00000000 [];
 [US4058247](#) A 00000000 [];
 [US5064409](#) A 00000000 [];
 [US5499726](#) A 00000000 [];
 [DE2305538](#) A1 00000000 []
 CCI - [B31F1/0012](#) ; [B65D5/4266](#)
 CCA - [B31B50/252](#) ; [Y10S229/93](#)
 CI - B31F1/0012 (EP)
 B65D5/4266 (EP)
 CA - B31B50/252 (EP)
 Y10S229/93 (EP)
 TI - Three dimensional contour surface **box**
 AB - The invention relates to a method wherein on at least one side of the **cardboard** in the at least one wall **panel** (1), a number of creases (2, 3, 4) are provided in the **cardboard** through a die-cutting or pressing operation, which creases (2, 3, 4) are at least locally slightly spaced apart and extend parallel to each other at that location. The invention also relates to a **box** manufactured by means of the method according to the invention and to a die-cutting apparatus for carrying out the method according to the invention to provide a **blank** for a **box** according to the invention.

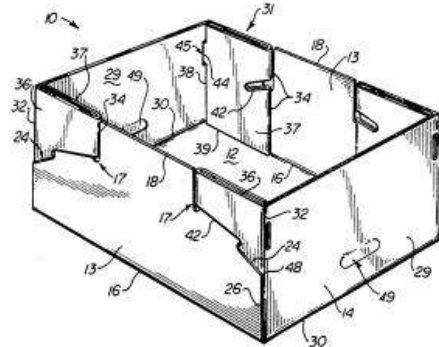
45/269 © EPODOC / EPO

PN - [US4560102](#) A 19851224
 PR - US19840645539 19840830; US19820423610 19820927
 AP - US19840645539 19840830
 DT - *; Rep
 CT - || STSE (A)
 [US2011703](#) A 00000000 [];
 [US2448679](#) A 00000000 [];
 [US2493176](#) A 00000000 [];
 [US2608340](#) A 00000000 [];
 [US2792981](#) A 00000000 [];
 [US3368735](#) A 00000000 [];
 [US3386642](#) A 00000000 [];
 [US3399821](#) A 00000000 [];
 [US3445054](#) A 00000000 [];
 [US3790065](#) A 00000000 [];
 [US3861580](#) A 00000000 [];
 [US4046311](#) A 00000000 [];
 [US4090607](#) A 00000000 [];
 [AU234683](#) A 00000000 []
 CCI - [B65D5/2066](#) ; [B65D5/443](#) ; [B65D27/06](#)
 CCA - [Y10S229/921](#)
 CI - B65D5/2066 (EP)
 B65D5/443 (EP)
 B65D27/06 (EP)

- CA - Y10S229/921 (EP)
- PA - FIDELITY CONTAINER CORP [US]
- TI - Reversible folder and round trip mailer **box**
- AB - A round trip mailer **box** is formed from a unitary corrugated **cardboard blank** with a plurality of scored lines for a quick and easy folding of panels to set up the **box**. The corners of the **box** are reinforced and strengthened by folding and bracing corner panels. The folding of the **box** is completed by inserting tabs on two interchangeable and overlapping top panels, one over the other, into cutouts on opposite sides of the **box**. These overlapping top panels can be interchanged so that when a mailing label is placed on each top **panel**, the **box** can be mailed to a recipient and later remailed back to the sender by simply interchanging the relative positions of the top panels. The **box** is easily secured in its closed position by taping or other closure means at the two inserted end tabs of the **box** and is easily opened, reclosed and reused.

46/269 © EPODOC / EPO

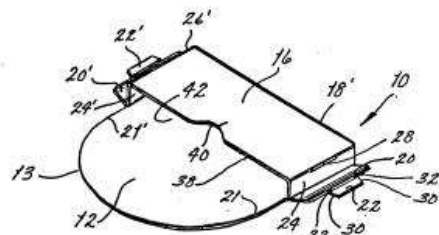
- PN - [US5016814](#) A 19910521
- PR - US19900584699 19900919
- AP - US19900584699 19900919
- DT - *, Rep
- CT - || STSE (A)
- [US363143](#) A 00000000 [];
- [US1383714](#) A 00000000 [];
- [US2147676](#) A 00000000 [];
- [US2394850](#) A 00000000 [];
- [US2404916](#) A 00000000 [];
- [US2476253](#) A 00000000 [];
- [US3093291](#) A 00000000 [];
- [US3682369](#) A 00000000 [];
- [FR578784](#) A 00000000 [];
- [GB189800151](#) A 00000000 []



- CCI - [B65D5/308](#)
- CI - B65D5/308 (EP)
- PA - FULLERTON JAMES T [US]
- TI - Collapsible **box** with improved corner locks
- AB - A collapsible **box** is formed from a **cardboard blank**. The **box** has a bottom **panel**, a pair of parallel side panels and a pair of parallel end panels. Each end **panel** has a pair of wing panels formed with slots for interlocking engagement with corner tongue portions of the side panels.

47/269 © EPODOC / EPO

- PN - [US5014570](#) A 19910514
- PR - US19890428961 19891030
- AP - US19890428961 19891030
- DT - *, Rep
- CT - || STSE (A)
- [US1927913](#) A 19330926 [] (BENNETT RAISLEY B M);
- [US2601881](#) A 19520701 [] (OBERLIN SR RALPH E);
- [US3010636](#) A 19611128 [] (LUGT JR THOMAS VANDER);
- [US3630430](#) A 19711228 [] (STRUBLE GLENN E);
- [US4102377](#) A 19780725 [] (OSTREM NELS M);
- [US4685499](#) A 19870811 [] (BLACK TODD W [US]);
- [US4821881](#) A 19890418 [] (YABE YOSHIHARU [JP])



- CCI - [B62D1/06](#) ; [B65D5/18](#)
- CCA - [Y02W30/80](#) ; [Y10T74/2087](#) ; [Y10T74/20876](#)
- CI - B62D1/06 (EP, US)
- B65D5/18 (EP, US)
- CA - Y02W30/80 (EP, US)
- Y10T74/2087 (EP, US)
- Y10T74/20876 (EP, US)
- PA - FOGERTEY JR FRANK R [US]
- TI - Steering wheel cover
- AB - A reusable, recyclable, reversible steering wheel cover is formed of preferably corrugated **cardboard** of a flat **box** construction with an open lower end comprised of a one-piece die cut **blank** having a front or driver-facing **panel** with an

arcuate lower end, a back **panel** and a horizontal middle **panel** attached therebetween along impressed fold lines. The front and back panels are oppositely attached to the middle **panel** by horizontal, parallel impressed fold lines. Similar impressed fold lines connect longitudinal flanges at the opposite sides of each **panel**. Each flange on the front **panel** is provided with a notched tab to insert into and interlock with a slot formed along the length of fold lines which attach the back **panel** and side flanges adjacent thereto. Cut notches separate rectangular tabs at each end of the horizontal top **panel** from the flanges adjacent thereto.

48/269 © EPODOC / EPO

PN - [US3927824 A 19751223](#)

PR - US19730417736 19731121

AP - US19730417736 19731121

DT - *; Rep

CT - || STSE (A)
[US1624439 A 00000000 \[\]](#);
[US1738744 A 00000000 \[\]](#);
[US2437835 A 00000000 \[\]](#);
[US3455498 A 00000000 \[\]](#);
[US3690543 A 00000000 \[\]](#)

CCI - [B65D5/3621](#) ; [B65D5/46096](#)

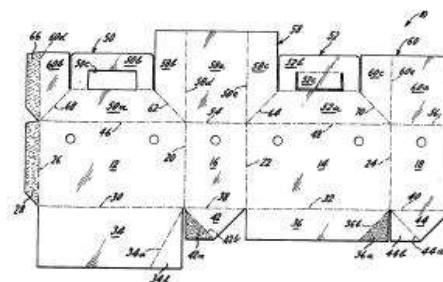
CI - B65D5/3621 (EP)

- B65D5/46096 (EP)

PA - BLUM FOLDING PAPER BOX CO INC

TI - Self-erecting **box**

AB - A self-erecting **box** is constructed from a **cardboard blank** and includes two side walls and two end walls hingedly connected along their vertical edges, side bottom members and side top members hingedly connected to the side walls, and end bottom members and end top members hingedly connected to the end walls. One end bottom member is adhesively secured to the underside of one of the side bottom members to form a first right angle bottom unit and the other side bottom member is adhesively secured to the underside of the other end bottom member to form a second right angle bottom unit. The first and second right angle bottom units are movable between a collapsed configuration and an erected configuration to form the bottom **panel** of the **box**. Each of the end top members includes a central top **panel**-forming member and side flaps which are hingedly connected thereto so that the central top **panel**-forming members may be folded into overlapping engagement with each other to form the top **panel** of the **box** and the side flaps are simultaneously folded into engagement with the respective side top members to maintain the **box** in its erected configuration.



49/269 © EPODOC / EPO

PN - [US2007251848 A1 20071101](#)

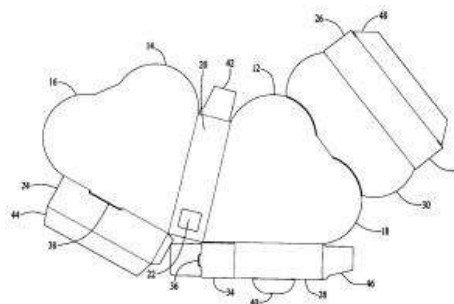
PNFP - US7337904 B2 20080304

PR - US20060411326 20060426

AP - US20060411326 20060426

DT - *; Rep

CT - || R141 (A1)
[US3016178 A 19620109 \[\]](#) (KNOCKS CHARLES J);
[US4066207 A 19780103 \[\]](#) (JORGENSEN-BECK FRODE, et al);
[US159698 A 18750209 \[\]](#);
[US5184770 A 19930209 \[\]](#) (COTE RAYMOND A [US]);
[US471451 A 18920322 \[\]](#);
[US6360941 B1 20020326 \[\]](#) (LARSSON BO [SE]);
[US5505373 A 19960409 \[\]](#) (VON STILLFRIED CHRISTOPH G [DE]);
[US5213255 A 19930525 \[\]](#) (COTE RAYMOND A [US]);
[US65723 A 18670611 \[\]](#);
[US3040953 A 19620626 \[\]](#) (TINDALL JOHN M);

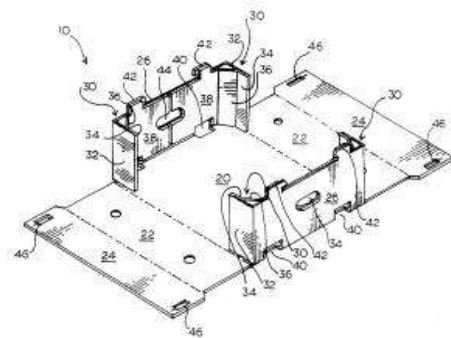


	US6422388 B1 20020723 [] (MCCAHEY THERESA ANN [US]); US67476 A 18670806 []; US6273332 B1 20010814 [] (TODJAR-HENGAMI DAVID [US]); US6435402 B1 20020820 [] (HENGAMI DAVID TODJAR [US]); US6116499 A 20000912 [] (TODJAR-HENGAMI DAVID [US]); US6945449 B2 20050920 [] (HENGAMI DAVID TODJAR [US]); US168501 A 18751005 []; US506133 A 18931003 []; US3610510 A 19711005 [] (LOWRY JOHN C); US375456 A 18871227 []; US418412 A 18891231 []; US3780934 A 19731225 [] (GARDNER J); US5845424 A 19981208 [] (MITCHELL RANDY DWAYNE [US]); US2003230498 A1 20031218 [] (MAUTE ROBERT E [US])
	- STSE (B2) US3016178 A 19620109 [] (KNOCKS CHARLES J); US3610510 A 19711005 [] (LOWRY JOHN C); US5845424 A 19981208 [] (MITCHELL RANDY DWAYNE [US]); US6435402 B1 20020820 [] (HENGAMI DAVID TODJAR [US]); US2003230498 A1 20031218 [] (MAUTE ROBERT E [US])
CCI	- B65D5/029 ; B65D5/62 ; B65D5/723 ; B65D77/003 ; B65D85/60
CI	- B65D5/029 (EP) - B65D5/62 (EP) - B65D5/723 (EP) - B65D77/003 (EP) - B65D85/60 (EP)
TI	- (A1) HEART SHAPED PACKAGE - (B2) Heart shaped package
AB	- (A1 B2) A package for dispensing pourable solid product includes a box having a pair of heart-shaped sides and a moveable slide for selectively opening and closing the product dispensing opening in the bottom portion of the box. Preferably the moveable slide is hingedly connected to an actuation panel extending down a side of the box. The package further preferably includes a wrapping applied to the box with a tear-away portion covering only the opening and slide, such that the tear away portion can be removed and the remainder of the wrapping stays in place decorating the box. Preferably and to great cost advantage, the box is formed from a single blank sheet of paper cardboard stock.

50/269 © EPODOC / EPO

PN	- US5535941 A 19960716
PR	- US19950411268 19950327
AP	- US19950411268 19950327
DT	- **
CT	- STSE (A) US3079058 A 19630226 [] (RUSSELL HENRY R); US3162351 A 19641222 [] (RUDOLFSKI LE ROY V); US4056223 A 19771101 [] (WILLIAMS MICHAEL M); US4236664 A 19801202 [] (HARTELMUELLER LUDWIG); US4417686 A 19831129 [] (WOZNIACKI ROGER M [US]); US5002221 A 19910326 [] (RAGAN PHILIP J [US]); US5261594 A 19931116 [] (BROWN JAMES M [US], et al); US5294044 A 19940315 [] (CLARK DANNY W [US]); US5333777 A 19940802 [] (ROTH OSCAR [CH])

CCI	- B65D5/002 ; B65D5/6644
CCA	- Y10S229/915 ; Y10S229/918 ; Y10S229/919
CI	- B65D5/002 (EP) - B65D5/6644 (EP)
CA	- Y10S229/915 (EP) - Y10S229/918 (EP) - Y10S229/919 (EP)



- PA - SMURFIT CARTON Y PAPEL MEXICO [MX]
- TI - Corrugated **box** having corner support posts
- AB - The present invention provides a improved corrugated **cardboard box** formed from a single pre-cut and pre-scored **blank**. The **box** can better support vertical and lateral loads, such as are present when many like boxes are stacked in a column, making the **box** ideal for packaging and shipping easily damaged produce such as tomatoes. The **box** is typical in that it includes a bottom **panel**, two side panels, two top panels, and two end panels. The improvement resides in the provision of a corner support post at each corner of the **box**. Each corner support post includes a vertically extending corner support **panel**, which is attached to the side edge of the end **panel**, and an interior bracing **panel** which extends from the corner support **panel** to the inner surface of the end **panel**. In a preferred embodiment, the post also includes a connecting **panel** disposed between the corner support **panel** and the interior bracing **panel**.

[SS 65]