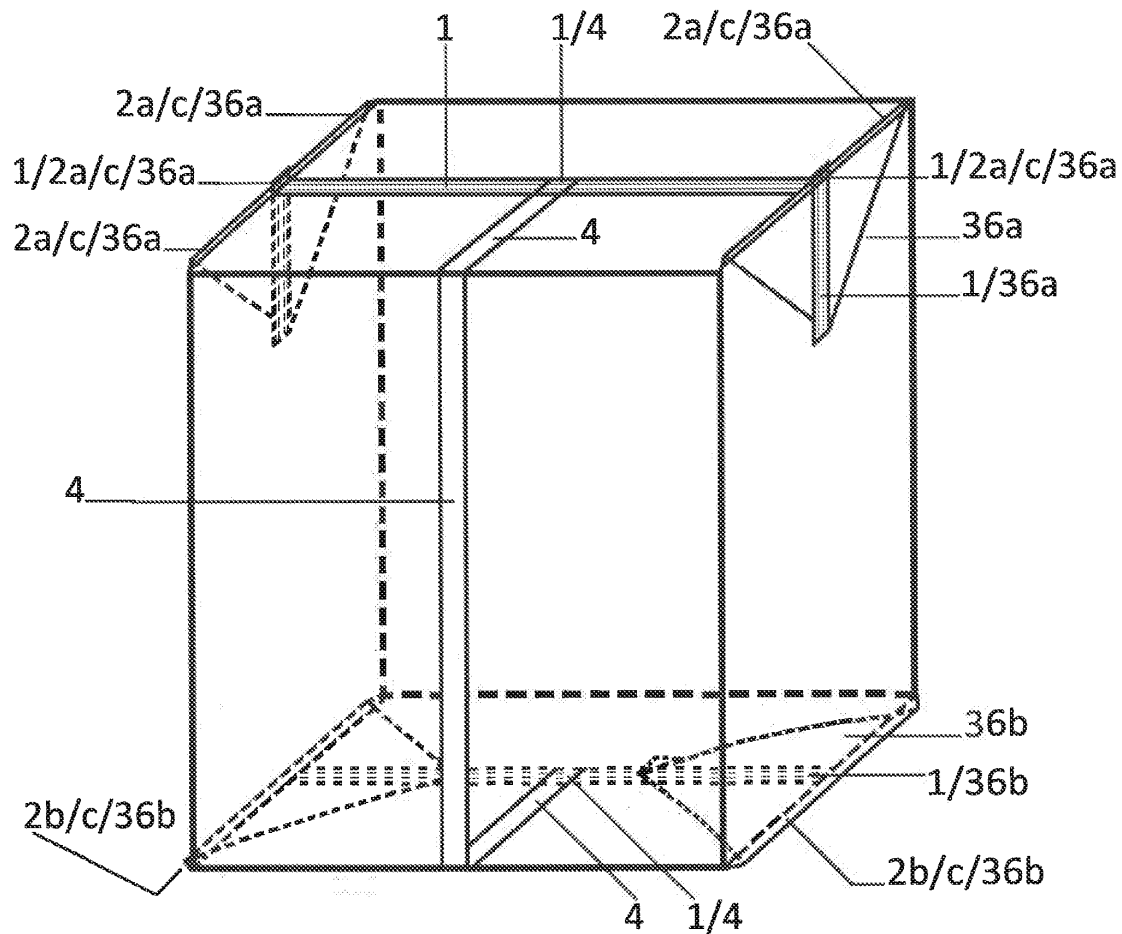
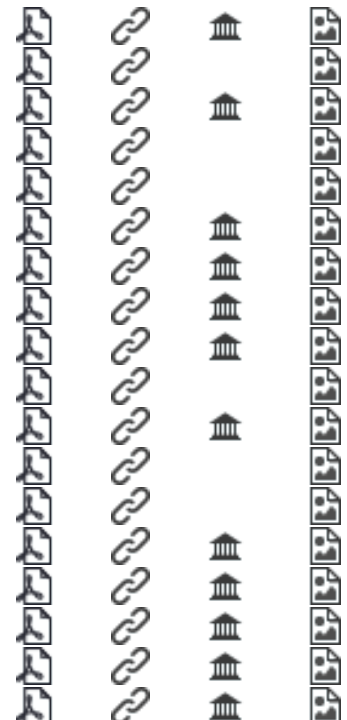


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EP-783442 A1	Container having a rectangular base and its manufacturing	ATIFON
US3029997 A	Container and end closure	FOILS PACKAGING
FR2420484 A1	Rectangular container lid closure system - has two sides sealed together along centreline and end flaps folded downwards along container	JAGENBERG WERKE
WO201130115 A2	Method and apparatus for sealing a raw edge portion of a container , a container blank for use in the same and a container produced therefrom	ELOPAK
EP-978470 A2	Packaging strap coil and method for producing the same, packaging strap coil unit and packaging machine equipped with strap coil reel	SEKISUI JUSHI
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Abstract

(EP3403939)

Procedures and devices to transform three dimensional flexible sealed containers of at least two faces or sides and which in their interior contain at least one fluid and, optionally or complementarily, solid or solids, granulates or powders, by folding at least once over itself, towards at least one direction: at least part of at least one **flap/triangular** shap (36) or strip (37) over at least part of another part of the same **flap/triangular** shape (36) or strip (37), alongside with also previously and/or posteriously there will be a seal of at least one part by at least one face or side of the **flap/triangular** body (36) or strip (37) generated and/or being this one folded at least once over itself. This system supposes improvements regarding the inalterability of the **container**, economic and ecological considerations by not having to cut the flaps or **triangular** shapes, keeping it intact, without fissures or tearings iin the initial **container** body, transformed in 3D. At the same time, the following advantages are important: -by guaranteeing the conservation and useful life of the **container** without porousness or leaks, from the moment of the 3D transformation until its later opening and consumption of the product contained within. -by not requiring any sort of adhesive or contact glue to attach or **fold** the **flap/triangular** shape (36) or strip (37). -by impeding that the Production Facility generates any defective **container** transformed in 3D. -by having the invention containers be more stable because the support face or side is wider and more consistent, having at least part of the **flap/triangular** shape (36) or strip (37) as a support surface in the base.

Inventors

LÓPEZ-ARÓSTEGUI SÁENZ GUILLERMO

Latest standardized assignees - inventors removed

LOPEZ AROSTEGUI SAENZ GUILLERMO

Family 2/20 - FAMPAT - ©Questel

Title

(EP-783442)

Container having a rectangular base and its manufacturing**Images**

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Abstract

(EP0783442)

A **container** constructed from a pouch having a front (2), rear (1) and bottom sheet (3), the bottom sheet (3) of the pouch being folded along a midline thereof with flaps extending downwards from the **fold** line and each of the two bottom edges (4) of the flaps being welded to or integral with one bottom edge of either the front (2) or the rear sheet (1), lateral edges (8) of the front (2) and rear sheet (1) being welded to one another with the two bottom portions of the welded edges sandwiching both lateral edges (8) of the bottom folded sheet (3); for construction of the **container**, a central portion of the bottom sheet (3) is unfolded such that the unfolded portion has an essentially rectangular shape thus forming said base, with central parts of the bottom edges (5) of the bottom sheet (3) forming the front and rear edges of the base and with peripheral portions of the bottom sheet (3) forming two overlapping **triangular** portions (19) with the bottom edges thereof defining the two side edges of the rectangular base, thereby forming the **container's** front and rear wall sections extending from said front and rear edges and side walls extending from said side edges with the welded edges of the two sheets (1, 2) being at about the midline of the side walls; the structure being fixed by welding the two overlapping **triangular** portions (19) to one another or by welding a peripheral **triangular** portion (19) of the two overlapping ones to a juxtaposed inner face of the side sheets.

Inventors

GELLER AVNER

Latest standardized assignees - inventors removed

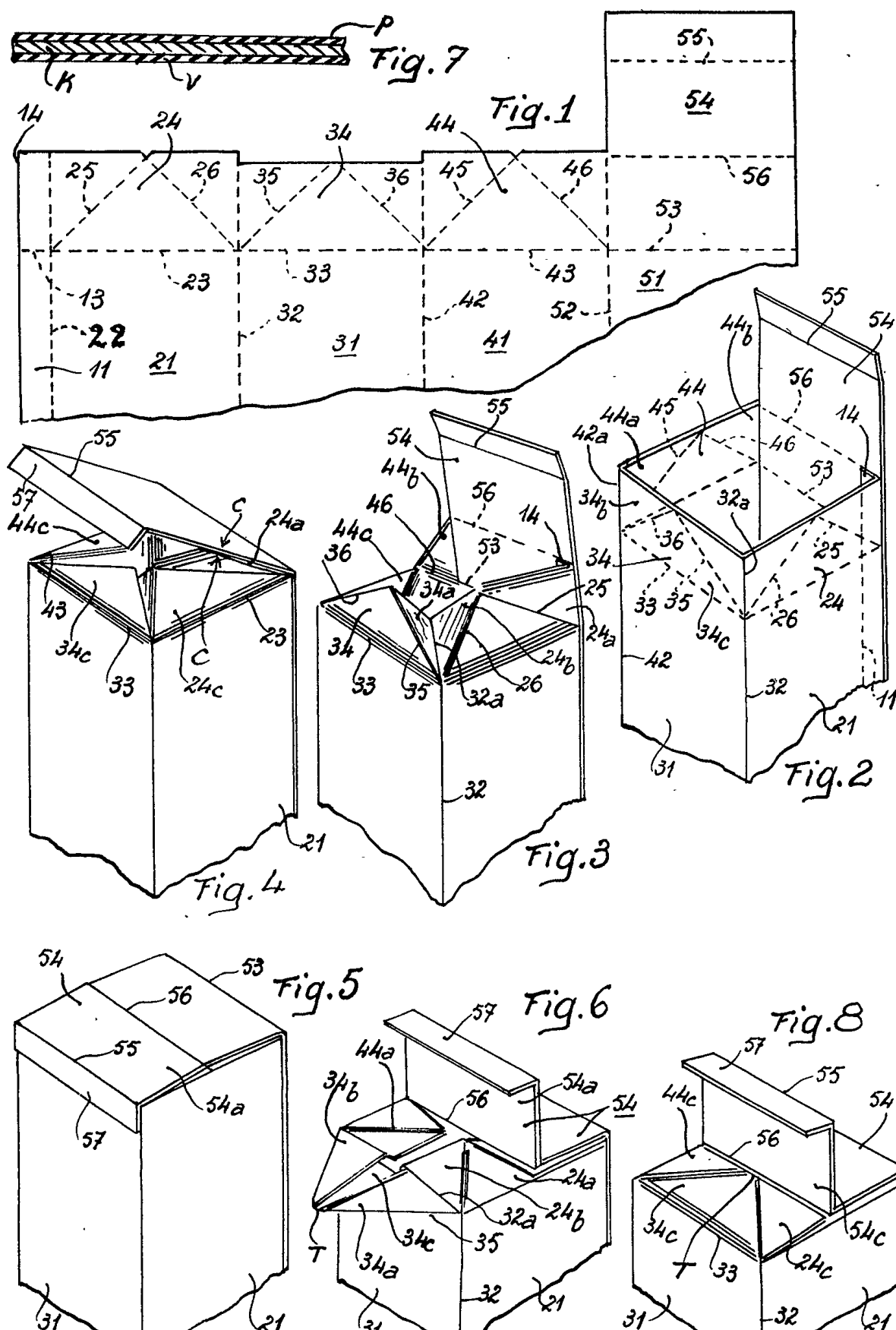
ATIFON

Family 3/20 - FAMPAT - ©Questel

Title

(US3029997)

Container and end closure**Images**



Publication numbers with kind code & date

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CH368415

A 1964-04-27
A 1963-06-12
A 1963-03-31

NL-260359
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CH-368415



[US3029997](#)

A

1962-04-17

US3029997

[FR1278952](#)

A

1961-12-15

FR1278952

Abstract

(US3029997)

928,610. Cartons and blanks therefor. FOILS PACKAGING CORPORATION. Jan. 18, 1961 [Jan. 25, 1960], No. 2061/61. Class 18. A blank for a tubular carton has three end closure flaps 24, 34, 44, of half the width of the adjacent side panels of the carton, each provided with diagonal creases such as 25, 26, and a fourth **flap** 54 adapted to cover the whole top of the carton. The blank is preferably of plastic-coated cardboard and the end flaps 24, 34, 44, are folded inwards and folded at the crease lines 25, 26 &c. to form **triangular** flaps 24c, 34c, 44c, Fig. 4, with **triangular** gussets 32a therebetween. The end **flap** 54 is then folded in over the **triangular** flaps and is first heat sealed to the attached **triangular flap** portions 24a, by heat and pressure at C, and is then fastened down by a tab 57 and heat sealed to the tops of the **triangular** flaps 24c, 34c, 44c. The **flap** 54 is arranged so that on opening of the carton the part 54a, Fig. 6, hinges about a crease line 56 to expose **flap** 34c which, when pulled outwards, forms a pouring spout T.

(From GB928610 A)

Inventors

KAUFFELD DON B

Latest standardized assignees - inventors removed

FOILS PACKAGING

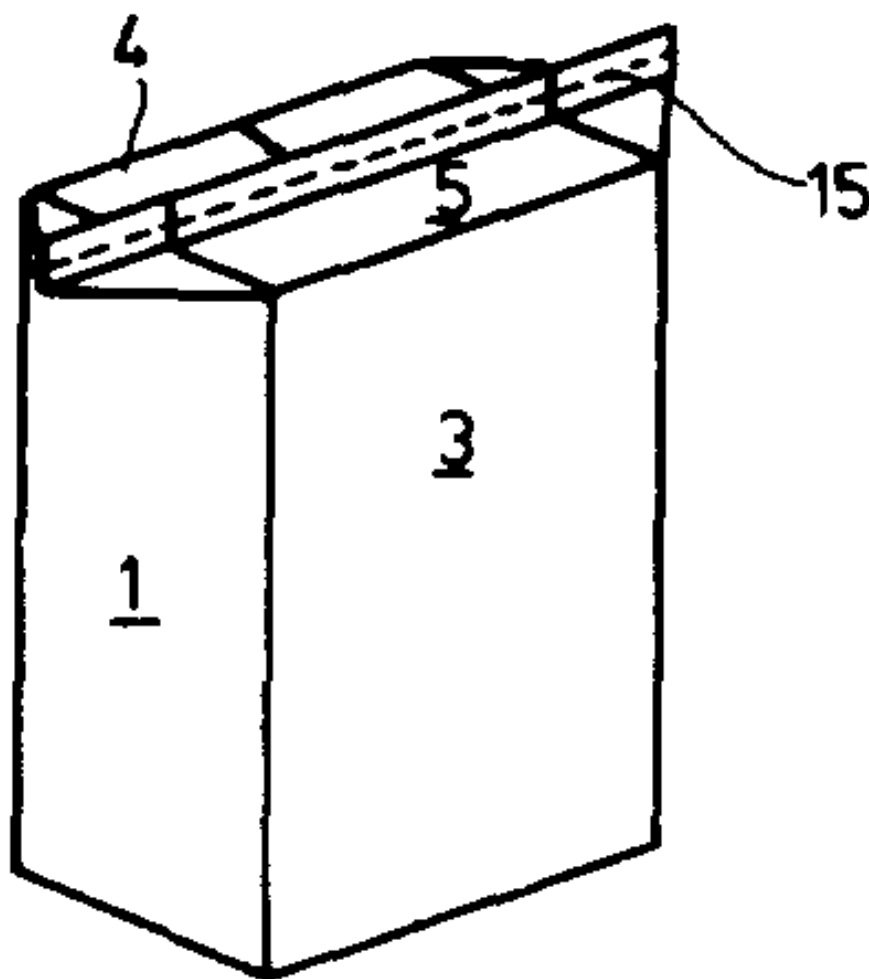
Family 4/20 - FAMPAT - ©Questel

Title

(FR2420484)

Rectangular **container** lid closure system - has two sides sealed together along centreline and end flaps folded downwards along **container**

Images



Publication numbers with kind code & date

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IT7967569	D0	1979-03-19	IT7967569



Abstract

(FR2420484)

The **container** lid is made up of two sides (4, 5) which are brought together at the centre of the **container** and sealed along the line of the central tab (15). The ends of the **container** extend into a **triangular flap** (8) which can be horizontally flat and supports the central tab. The central tab may be folded over to lie flat on top of the **container**, and the end flaps may then be folded over downwards to lie on the ends of the **container**.

(From FR2420484 A1)

Inventors

DAJMEL GERKHARD

Latest standardized assignees - inventors removed

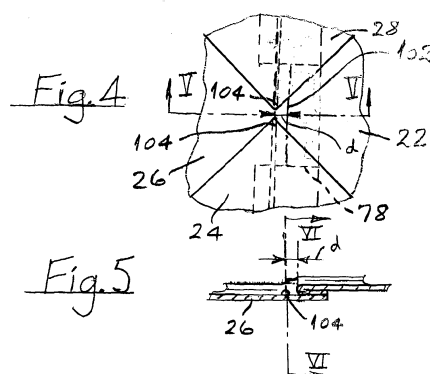
JAGENBERG WERKE

Family 5/20 - FAMPAT - ©Questel

Title

(WO201130115)

Method and apparatus for sealing a raw edge portion of a **container**, a **container** blank for use in the same and a **container** produced therefrom

Images**Publication numbers with kind code & date**

WO2011/030115	A3	2011-05-05	WO201130115
WO2011/030115	A2	2011-03-17	WO201130115
GB0915929	D0	2009-10-21	GB200915929

**Abstract**

(WO2011/030115)

The invention is directed to sealing of raw edge portions of packaging sheet material. In one embodiment a J- **flap** end closure of a carton has, at each of two apices (104) pointing towards each other, two limbs of a hairpin- form cut edge portion of the apex facing each other. The completion of the end closure includes sealing respective sides of those four limbs directly to parts of a stepped-back, inner surface of an outermost sub-panel (26) beyond the J- **fold** (102). Alternatively, the apices (104) are squeezed against those surface parts, preferably with the input of **thermal** energy to cause the plastics to flow. Alternatively, sealing fluid, in particular fluid plastics, is applied to the raw edge portions from a supply channel of a profile substantially matching that of the raw edge portion. The invention is particularly applicable to gable -top, slant- top and flat -top liquid packaging cartons.

Inventors

KOLSTAD JENS

THINGELSTAD LARS AKSEL

Latest standardized assignees - inventors removed

ELOPAK

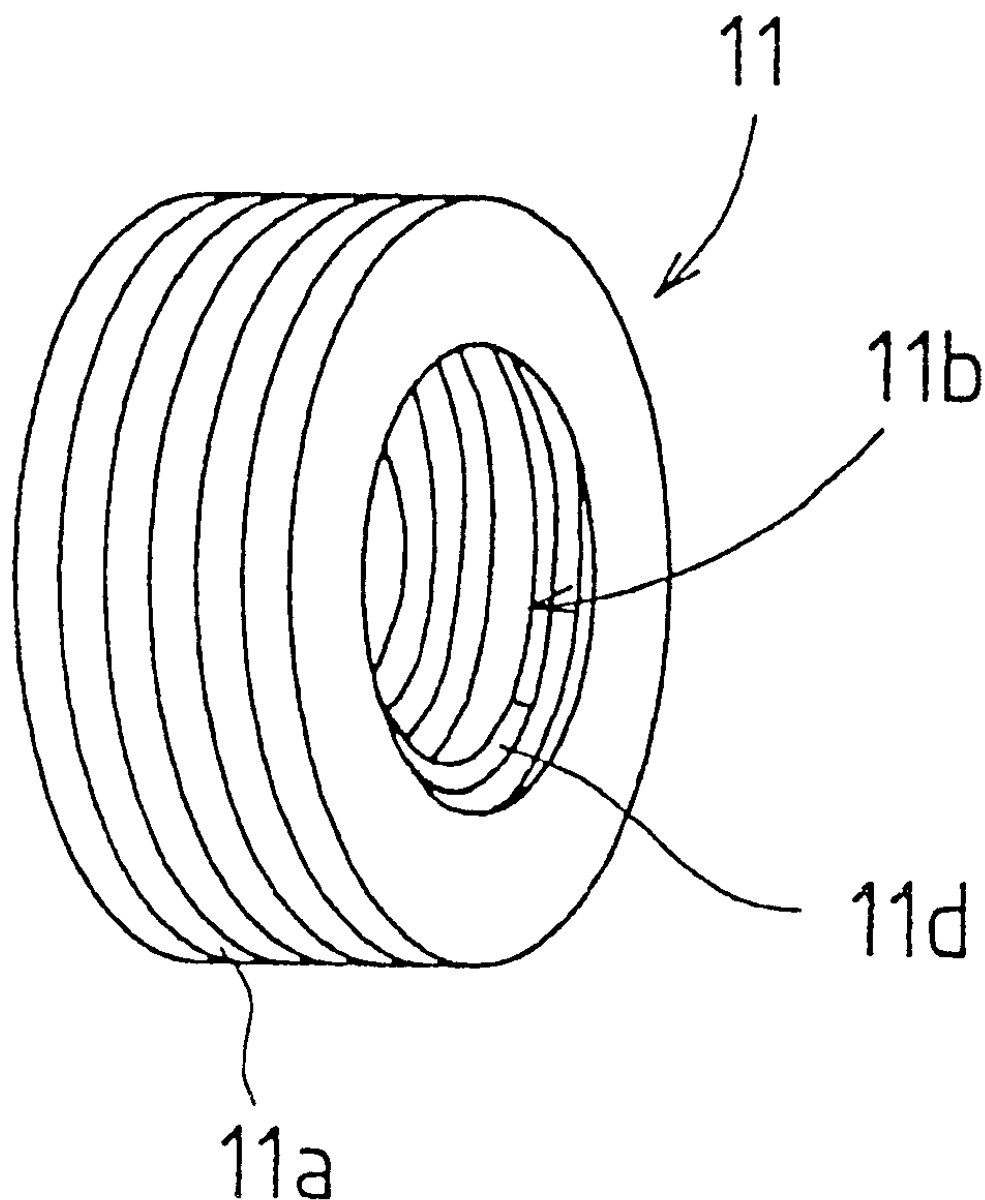
Family 6/20 - FAMPAT - ©Questel

Title

(EP-978470)

Packaging strap coil and method for producing the same, packaging strap coil unit and packaging machine equipped with strap coil reel

Images



Publication numbers with kind code & date

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Abstract

(EP0978470)

A strap coil (11) comprises a number of layers of a resin packaging strap (11a) wound helically and corelessly around a hollow (11b) defining the access of the strap coil (11). The strap (11a) is made of a thermoplastic resin at least on its external surface. In the strap coil (11) a plurality of perforations (11d) are pierced in the vicinity of an innermost end of the strap (11a) through to a plurality of laminated layers. Each perforation (11d) provides a melt-bonded area (11e) along its periphery to bond the laminated layers of the strap (11a) together. The innermost end of the strap is, thus, securely fixed to prevent unwinding thereof and the strap can be smoothly drawn out to the innermost end for strap-packaging of an item. There is also provided a packaging strap coil unit which provides deformation of the strap coil and a packaging machine.

<IMAGE> <IMAGE>

Inventors

FUJITA KUNIAKI

OBA KAZUYUKI

USUDA YUKOU

TAJIKA SATORU

MARUTANI TETSUYA

KAWAMOTO IZURU

Latest standardized assignees - inventors removed

SEKISUI JUSHI

Family 7/20 - FAMPAT - ©Questel

Title

(EP-302413)

Method and apparatus for manufacturing filled packaging containers.

Images

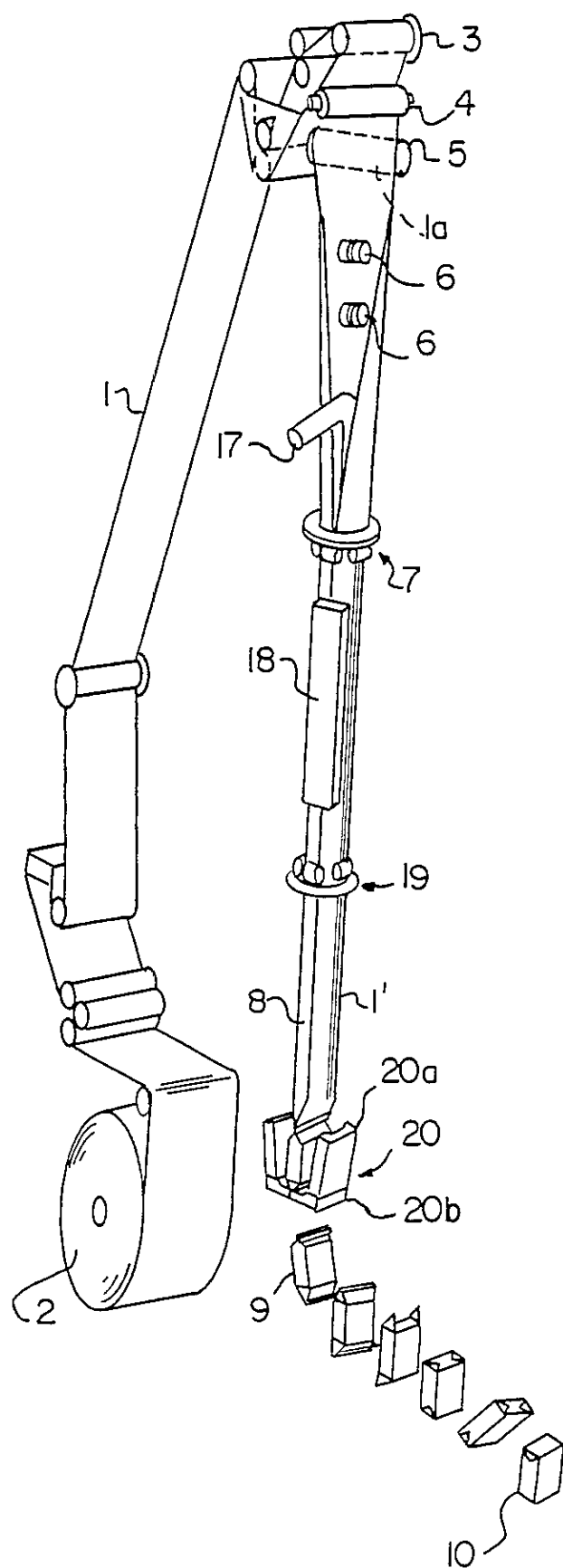


FIG. 1

Publication numbers with kind code & date

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Abstract

(EP0302413)

In a machine for forming, filling and closing brick-shaped containers for beverages or the like, a heat-sealable web (1) is supplied along a horizontal or inclined supply path and then deflected downward along a substantially vertical treatment path along which the web is formed into a tube, sealed to form a longitudinal seam (8), filled with the liquid contents and then transversely squeezed, sealed and severed to form individual rectangular **container** units (9). In order to place the longitudinal seam (8) out of the center of a side face of the **container** and preferably along the edge formed by two adjoining side faces, the vertical deflection of the web is combined with a twisting of the web so as to bring the web plane into an angle of less than 90 DEG to the vertical plane defined by the supply and treatment paths. This is obtained by two subsequent deflections of the web around two deflection rollers (3, 5) arranged one above the other and having their axes horizontal but at an angle to each other. Between these deflection rollers the web forms a loop around a slack absorbing or tensioning roller (4).

Inventors

NISKE JOERGEN

Latest standardized assignees - inventors removed

TETRA PAK

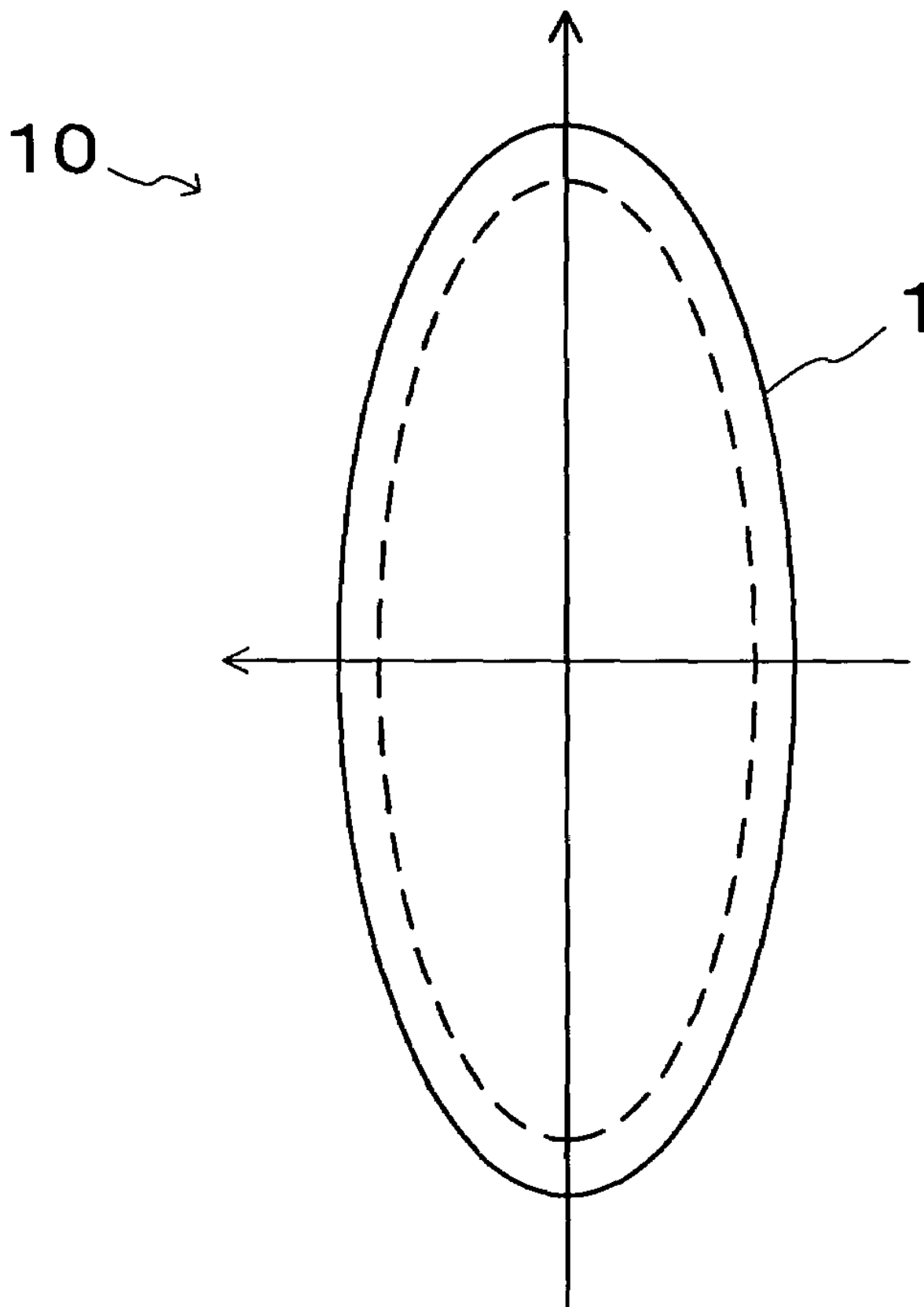
Family 8/20 - FAMPAT - ©Questel

Title

(EP1407745)

Interlabial pad

Images

**Publication numbers with kind code & date**

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WO03/65952	A1	2003-08-14	WO200365952				
TW541170	B	2003-07-11	TW-541170				
JP2003038560	A	2003-02-12	JP2003038560				
JP2003038561	A	2003-02-12	JP2003038561				
JP2003038562	A	2003-02-12	JP2003038562				
JP2003038563	A	2003-02-12	JP2003038563				
JP2003038564	A	2003-02-12	JP2003038564				
CA2446008	A1	2002-11-28	CA2446008				
JPWO2002094145	A1	2002-11-28	JP2002094145W				
JPWO2002094149	A1	2002-11-28	JP2002094149W				
JPWO2002094162	A1	2002-11-28	JP2002094162W				
WO02/94145	A1	2002-11-28	WO200294145				
WO02/94149	A1	2002-11-28	WO200294149				
WO02/94162	A1	2002-11-28	WO200294162				
JP2002227627	A	2002-08-14	JP2002227627				

Abstract

(EP1407745)

The present invention relates to an interlabial pad can be sealed and attached to the female labia, which has a structure in capable of easily achieving a sealing attachment into the female labia. A sheet body (2) is provided on an opposite side to a body side of the interlabial pad (1) to form a pair of the fingertip insert openings (3,4) on both side portions, the wearer inserts two finger into the fingertip insert opening (3,4) and catches the sheet body 2 by the two finger, thereby the interlabial pad (1) can be folded in substantially mountain folded shape along the vertically axial center line and can be attached to the labia (9) in keeping a condition of forming a raised area (5) on the body side surface of the pad.

Inventors

MIZUTANI SATOSHI

YAMAKI KOICHI

NODA YUKI

Latest standardized assignees - inventors removed

UNICHARM

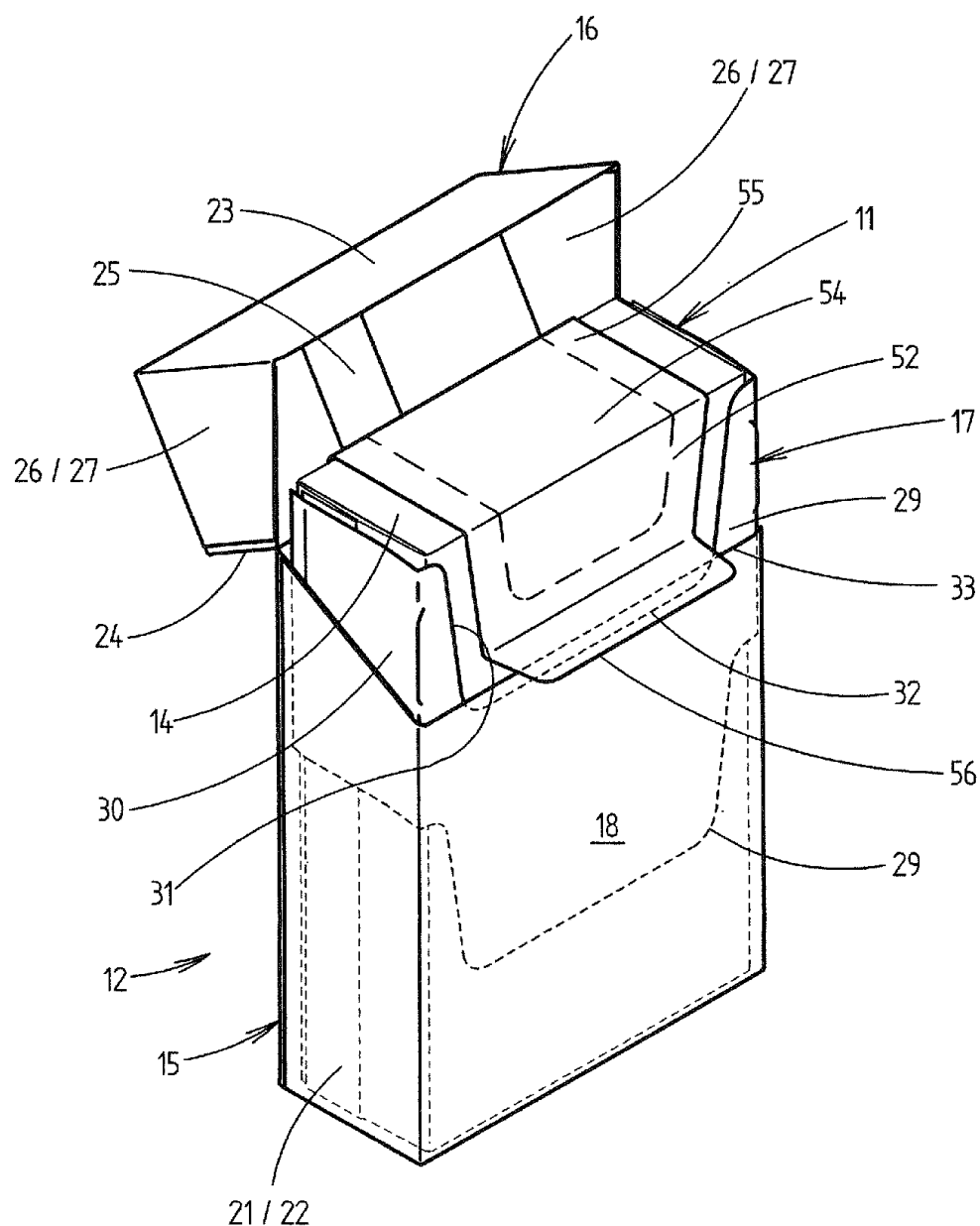
Family 9/20 - FAMPAT - ©Questel

Title

(EP2766282)

Method for producing cigarette packages

Images

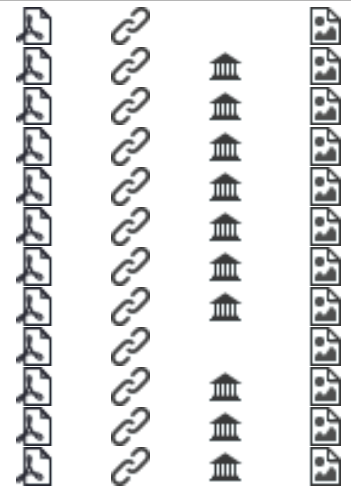


Publication numbers with kind code & date

IN201948038913	A	2019-10-04	IN201948038913
KR10-1943095	B1	2019-04-17	KR101943095
CN106315012	B	2019-04-16	CN106315012B
PL2766282	T3	2017-11-30	PL2766282
JP6173324	B2	2017-08-02	JP6173324
EP2766282	B1	2017-06-14	EP2766282
BR112014008595	A2	2017-04-18	BR112014008595
CN103958369	B	2017-03-29	CN103958369B
EP2826724	B1	2017-03-15	EP2826724
RU2610571	C2	2017-02-13	RU2610571
CN106315012	A	2017-01-11	CN106315012
US9533821	B2	2017-01-03	US9533821
US20160368645	A1	2016-12-22	US20160368645



RU2014118594	A	2015-11-20	RU2014118594
IN3361CHN2014	A	2015-07-03	IN2014CN03361
EP2826724	A3	2015-04-08	EP2826724
US20150027916	A1	2015-01-29	US20150027916
EP2826724	A2	2015-01-21	EP2826724
JP2014531373	A	2014-11-27	JP2014531373
EP2766282	A1	2014-08-20	EP2766282
CN103958369	A	2014-07-30	CN103958369
KR20140074393	A	2014-06-17	KR20140074393
BR112014008595	A1	2014-05-27	BR112014008595
WO2013/053408	A1	2013-04-18	WO201353408
DE102011119344	A1	2013-04-11	DE102011119344

**Abstract**

(EP2766282)

An aroma-sealed cigarette package consists of an outer package (12) designed as a hinge-lid pack and an inner package (11) designed as a sealing block with an opening aid which can be used multiple times. The opening aid consists of a removal opening (51) which extends in a sub-region of an inner front wall (39) and an adjacent inner end wall (41) and which is covered by a closure label (54) with an adhesive connecting edge (55). The inner package (11) has closure seams (37) which are formed as fin seams.

Inventors

BUSE HENRY

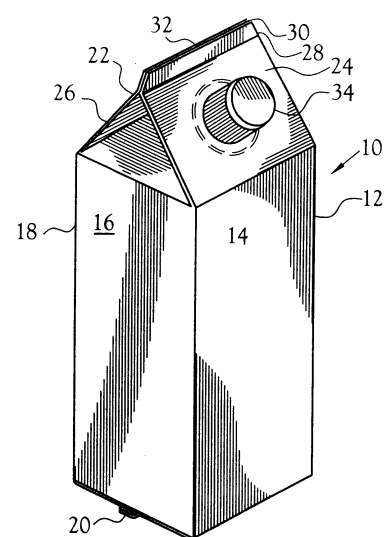
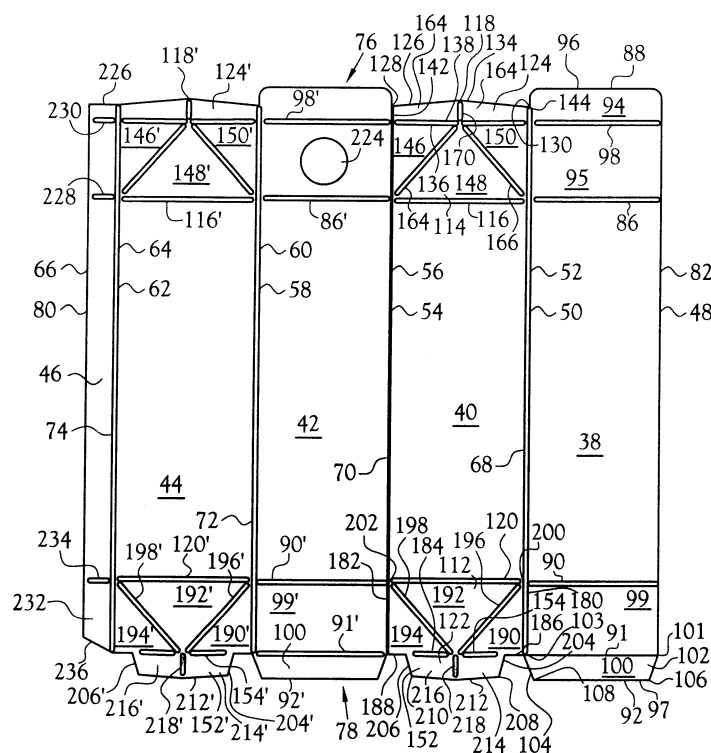
Latest standardized assignees - inventors removed

FOCKE

Family 10/20 - FAMPAT - ©Questel

Title

(WO200024571)

Method of folding and sealing a **container** bottom**Images****Publication numbers with kind code & date**[JP4642235](#)

B2 2010-12-10

[JP4642235](#)

KR100718401	B1	2007-05-14	KR100718401				
CN1144736	C	2004-04-07	CN1144736C				
US6599225	B2	2003-07-29	US6599225				
CN1378502	A	2002-11-06	CN1378502				
JP2002528296	A	2002-09-03	JP2002528296				
KR20020005567	A	2002-01-17	KR20020005567				
DE19983696	T1	2001-10-04	DE19983696T				
US20010008252	A1	2001-07-19	US20010008252				
AU1906200	A	2000-05-15	AU200019062				
WO00/24571	A1	2000-05-04	WO200024571				

Abstract

(WO00/24571)

The present invention relates to an improved method and apparatus for forming and sealing the bottom of a liquid, paperboard, gable top, **container**. Apparatus is disclosed whereby the typical carton opening mandrel wheel has its axis of rotation perpendicular to the line direction of the machine thereby providing an improved and unique sequence of folding operations for forming the carton bottom.

Inventors

AMMONS KIMBERLY D

Latest standardized assignees - inventors removed

EVERGREEN PACKAGING

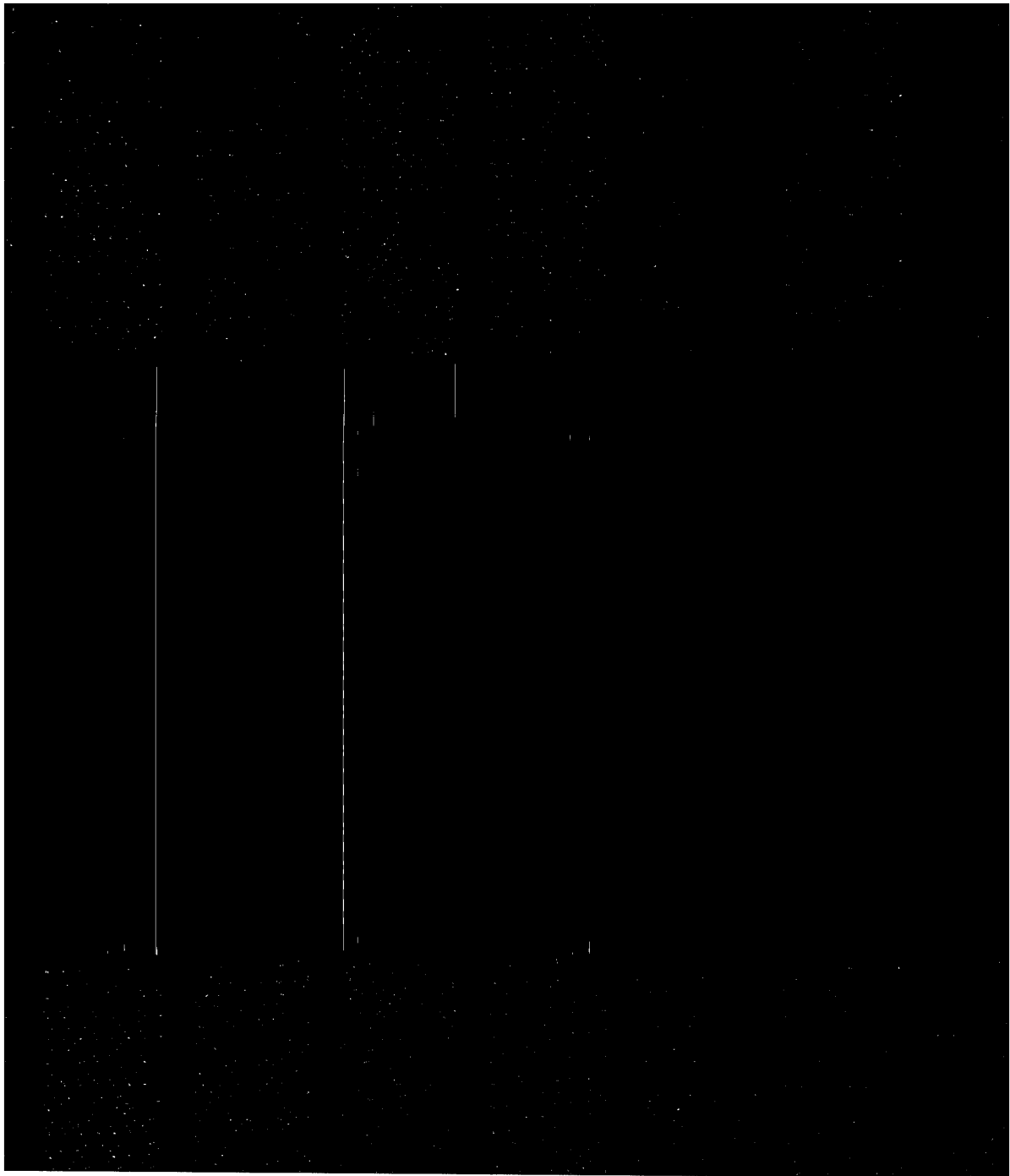
Family 11/20 - FAMPAT - ©Questel

Title

(US3974747)

Machine for manufacturing square bags of thermoplastic film

Images



U.S. Patent Aug. 17, 1976 Sheet 1 of 9 3,974,747

Publication numbers with kind code & date

DE2440491	C2	1983-05-26	DE2440491
DE2462424	C2	1983-05-19	DE2462424
FR2242301	B1	1980-04-11	FR2242301
JP915794	C	1978-07-21	JP-915794
JP901467	C	1978-03-15	JP-901467
JPS5245540	B2	1977-11-16	JP77045540
GB1485132	A	1977-09-08	GB1485132
GB1485133	A	1977-09-08	GB1485133
JPS5229665	B2	1977-08-03	JP77029665
IT1016845	B	1977-06-20	IT1016845
DE2462424	A1	1977-01-27	DE2462424
US3974747	A	1976-08-17	US3974747



US3974747	A	1976-08-17	US3974747
JPS5047780	A	1975-04-28	JP50047780
JPS5047784	A	1975-04-28	JP50047784
FR2242301	A1	1975-03-28	FR2242301
DE2440491	A1	1975-03-06	DE2440491

**Abstract**

(US3974747)

A square bag consisting of a tubular body made of thermoplastic film with its outer surface processed to be hardly weldable and a couple of rectangular closures made of thermoplastic film for closing the top and bottom openings of said body, said tubular body being flat when empty and the top and bottom openings of said body being formed into the front and rear horizontal flaps spreading horizontally and a pair of bisymmetric **triangular** end plates lapped over two sides of said flaps by pressing said openings vertically, which bag is characterized in that the top closure consists of a valve plate and a cover plate, one side edge of both plates is inserted beneath said **triangular** end plates, respectively, to overlap each other and heat-sealed, the other side edge of said cover plate extends over the other side edge of said valve plate to form a valve lip, the overlapping portions of the front and rear side edges of the valve plate and the cover plate and the front and rear side edges of the horizontal flaps of the top of the body are heat-sealed, and further the bottom closure consists of one cover plate which is installed on the bottom opening in the same fashion as said top closure and the overlapping portions of the body and said cover plate are heat-sealed.

Inventors

TSUKINO YOSHIO

Latest standardized assignees - inventors removed

DAI NIPPON PRINTING

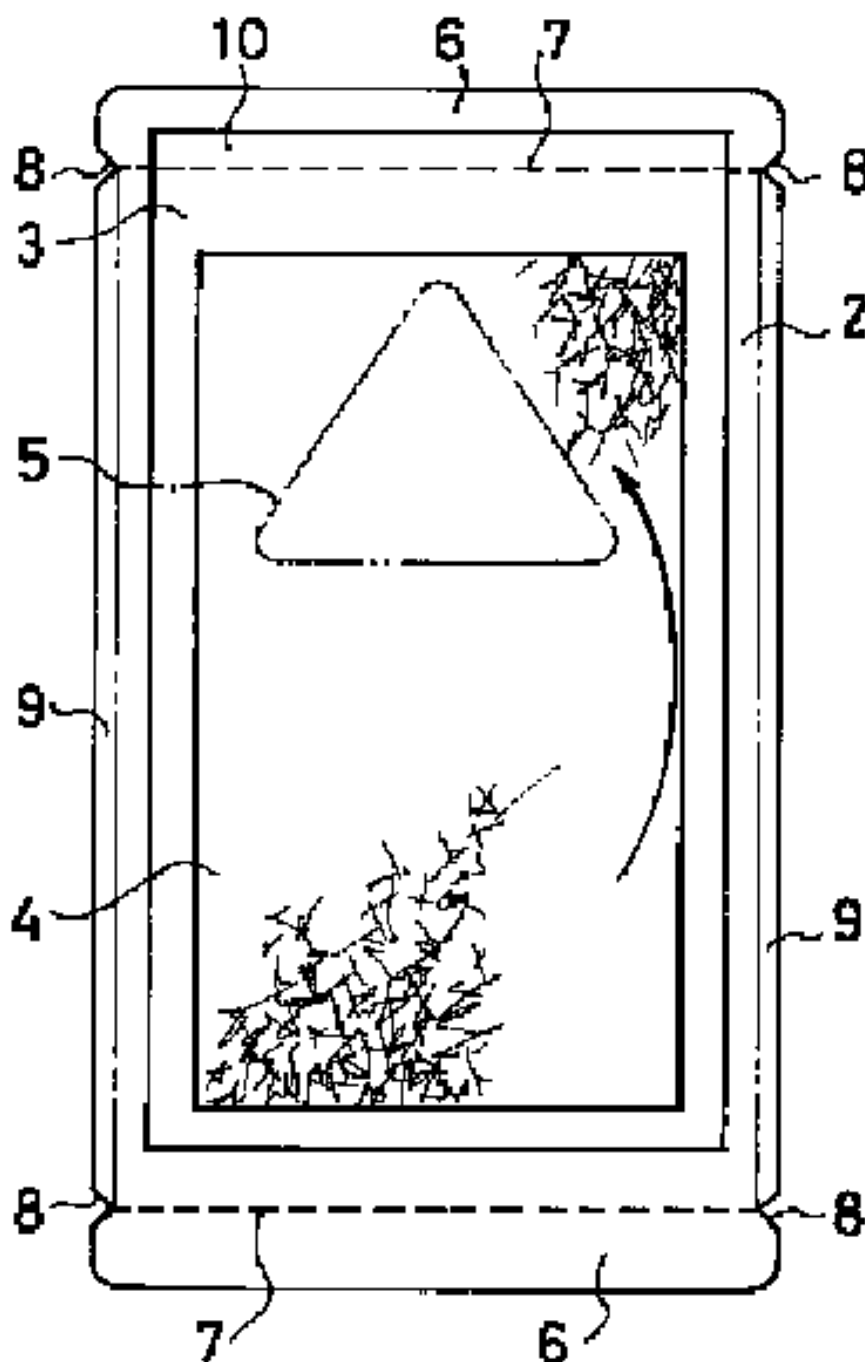
Family 12/20 - FAMPAT - ©Questel

Title

(JP07274870)

Packaged rice ball, production thereof and packaging film

Images



Publication numbers with kind code & date

JP3307500	B2	2002-07-24	JP3307500
JP07274870	A	1995-10-24	JP07274870



Abstract

(JP07274870)

PURPOSE: To obtain a packaged rice ball capable of providing a laver-rolled rice ball by packaging a rice ball with a packaging film holding laver between inner and outer films and simply and readily opening the package and obtain the packaging film.

CONSTITUTION: Perforation 7 forming both short side parts of a rectangular film as separation pieces 6 is provided and laver 4 is superposed on the inner side of an outer film 2 forming other outer peripheral edge part as an adhesive width 9

and further, an inner film 3 is superposed so as to position in inner direction than the adhesive width 9 on the inside face and superpose only short side part 10 to the part 6 of separating piece 6 and rice ball 5 is put on the inner film 3 part and the outer film 2 is folded back together with the inner film 3 and superposed on the rice ball 5 and the part of the separation piece 6 is bonded to short side part 10 superposed on the separation piece 6 by **thermal** fusion, etc., and two adhesive widths 9 are bonded by **thermal** fusion, etc., to provide the objective packaged rice ball.

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Inventors

SAITO TADAO

Latest standardized assignees - inventors removed

CHUGOKU PEARL HANBAI

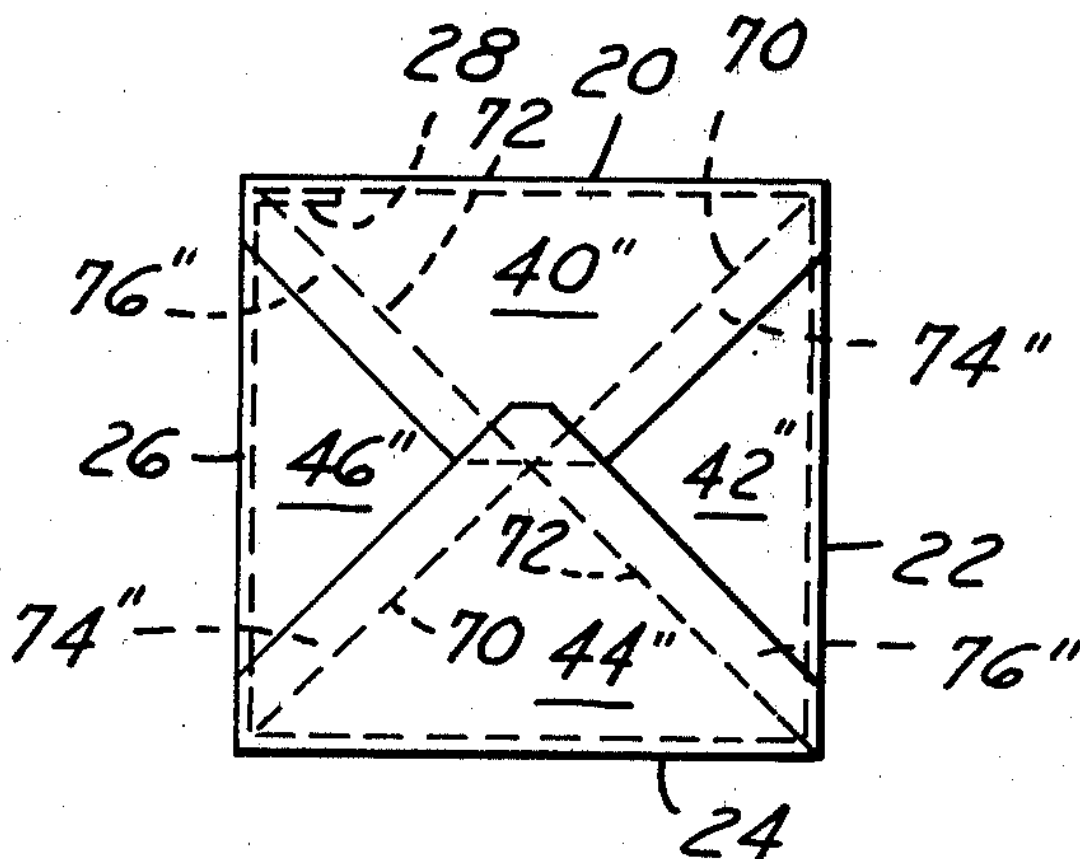
Family 13/20 - FAMPAT - ©Questel

Title

(US4332345)

Container with infolded bottom closure

Images



Publication numbers with kind code & date

NL189955	C	1993-09-16	NL-189955
NL189955	B	1993-04-16	NL-189955
AT394342	B	1992-03-10	AT-394342
ATA47781	A	1991-09-15	AT8100477
DE3100110	C2	1989-05-11	DE3100110
SE458600	B	1989-04-17	SE-458600
YU43005	B	1989-02-28	YU--43005
DK153455	C	1988-11-28	DK-153455C
DK153455	B	1988-07-18	DK-153455
IT1142329	B	1986-10-08	IT1142329



FI69800	C	1986-05-26	FI--69800				
IE50529	B1	1986-04-30	IE--50529				
FR2478583	B1	1986-01-24	FR2478583				
FI69800	B	1985-12-31	FI--69800				
PH18735	A	1985-09-16	PH--18735				
CH650988	A5	1985-08-30	CH-650988				
NO151854	C	1985-06-26	NO-151854				
JP1267156	C	1985-06-10	JP1267156				
YU57881	A	1985-04-30	YU8100578				
NO151854	B	1985-03-11	NO-151854				
JPS5944256	B2	1984-10-27	JP84044256				
KR840001437	B1	1984-09-27	KR840001437				
GR78297	B	1984-09-26	GR--78297				
MX151077	A	1984-09-24	MX-151077				
AU538954	B2	1984-09-06	AU-538954				
RO81765	B	1984-07-30	RO--81765				
CS229912	B2	1984-07-16	CS-229912				
RO81765	A	1984-05-23	RO--81765				
ES269626	Y	1984-01-16	ES-269626Y				
CA1152466	A	1983-08-23	CA1152466				
IL62030	B	1983-07-31	IL--62030				
KR830004114	A	1983-07-06	KR19830004114				
ES269626	U	1983-07-01	ES-269626U				
HU181289	B	1983-06-28	HU-181289				
GB2072147	B	1983-06-02	GB2072147				
NZ196354	A	1982-11-23	NZ-196354				
DD157552	A5	1982-11-17	DD-157552				
US4332345	A	1982-06-01	US4332345				
ZA8007726	B	1981-12-30	ZA8007726				
JPS56161935	A	1981-12-12	JP56161935				
PL230234	A1	1981-12-11	PL81230234				
DE3100110	A1	1981-11-19	DE3100110				
NL8006434	A	1981-10-16	NL8006434				
GB2072147	A	1981-09-30	GB2072147				
FR2478583	A1	1981-09-25	FR2478583				
AU6513180	A	1981-09-24	AU8065131				
BR8101571	A	1981-09-22	BR8101571				
DK124981	A	1981-09-21	DK8101249				
FI810854	L	1981-09-21	FI8100854				
NO810867	L	1981-09-21	NO-810867				
SE8101667	L	1981-09-21	SE8101667				
IE810162	L	1981-09-20	IE8100162				
BE886832	A	1981-04-16	BE-886832				
IL62030	A	1981-02-27	IL--62030				
IT8147876	D0	1981-02-24	IT8147876				

Abstract

(US4332345)

This disclosure illustrates and describes a bottom closure structure for a liquid carrying, thermoplastic coated paperboard carton or **container** wherein the overlapped and sealed areas are formed so as to extend in an "X"-shaped configuration across the bottom, with minimal raw edge exposure on the inside. The shapes of the four main bottom panels of the blank from which the carton is formed are such that they accommodate interdigital nesting or overlapping with respect to the

bottom section of an adjacent blank prior to the cutting operation on a paperboard roll, thereby resulting in a narrower roll and, hence, a substantial paperboard savings.

Inventors

MORAN JOHN P

Latest standardized assignees - inventors removed

ELOTRADE

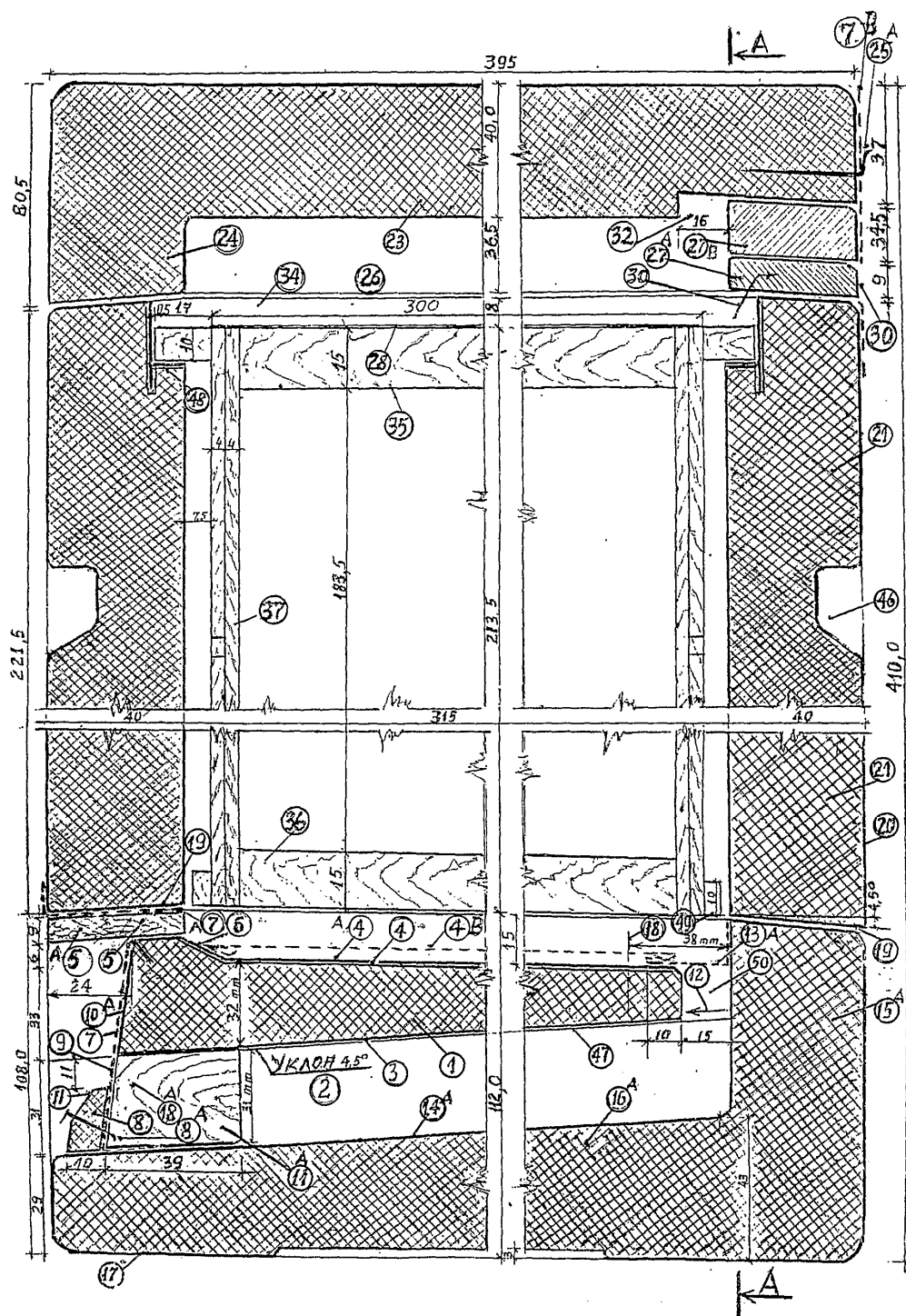
Family 14/20 - FAMPAT - ©Questel

Title

(WO2006118438)

Bee hive and the arrangement thereof in a container

Images



Publication numbers with kind code & date

DE202006020178	U1	2008-02-28	DE202006020178
WO2006/118438	A1	2006-11-09	WO2006118438
LV13344	B	2005-10-20	LV--13344

**Abstract**

(WO2006/118438)

The invention relates to bee-farming. The inventive bee hive is characterised in that a ventilation opening (18) is embodied in front of the entrance in the opposite internal floor edge along the entire length thereof and connects a brood nest space placed under the floor (1) to a ventilation condensing chamber (2), a ventilation grid (9) covers the plane (10A) of the floor (1) and the ventilation chamber (2) till a plane (14A) exit, a shutter (8) for adjusting the opening (18A) is arranged outside in front the ventilation grid, the bee hive floor with the grid and shutter is embodied in such a way that it is tiltedly displaceable and removable without removing a body and is conically extendable away from a frame 15^A to the arrival 10^A and an elevation inclined with respect to the floor plane (4) is embodied above the floor under the entrance. The floor of the chamber (16a) is embodied such that it is heat- and water insulating. The area on the internal horizontal cross-section of the bodies corresponds to the mean diameter of a winter bee colony, the junctions of the components of the front and opposite bee hive walls are outwardly inclined in a downward direction, a connection in the sidewalls is embodied in the form of a half-groove, the floor plane (4) is partially coated with a thick polyethylene film (4A) extending to the edge thereof, an opening (50) is covered with a grid (13A) through the entire width thereof, wherein the one side of the grid is connected to the polyethylene film side or to the internal wall 15^A. The arrangement of the bee hive in a movable **container**-pavilion is characterised in that the arrival of each second bee hive is located oppositely to the adjacent bee hive in a direction inside the room and openings are embodied in the **container** floor for enabling bees to fly out. The arrivals are limited on the sides thereof by walls whose inclined surface is covered with organic glass or glass.

Inventors

ZARINKA JANIS

Latest standardized assignees - inventors removed

ZARINKA JANIS

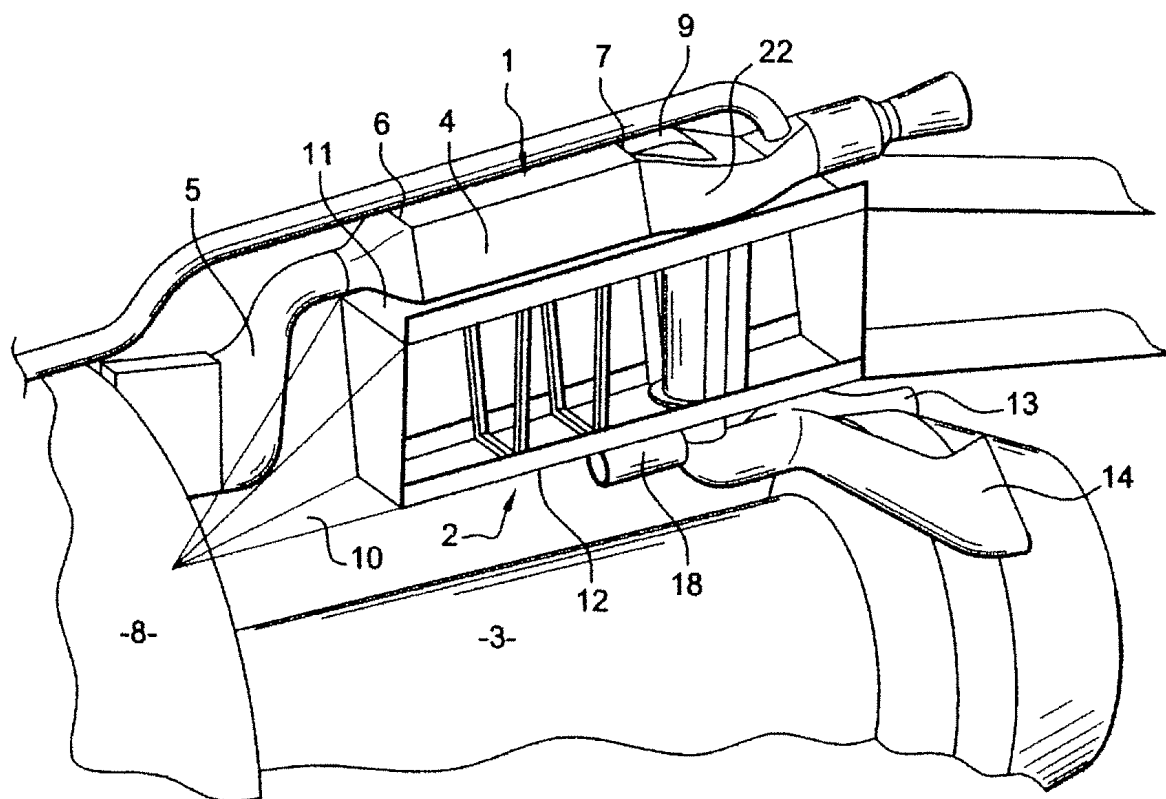
Family 15/20 - FAMPAT - ©Questel

Title

(EP1907781)

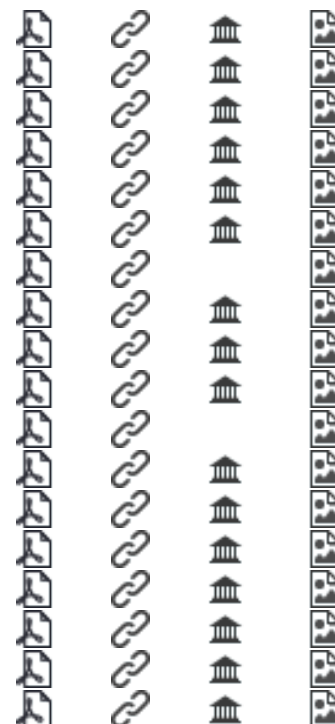
Propulsion unit provided with a heat exchanger, and aircraft provided with such propulsion unit

Images



Publication numbers with kind code & date

EP1907781	B1	2017-08-30	EP1907781
CA2615275	C	2013-05-28	CA2615275
JP5073657	B2	2012-08-31	JP5073657
US8161755	B2	2012-04-24	US8161755
US20110089799	A1	2011-04-21	US20110089799
BRPI0614443	A2	2011-03-29	BR200614443
RU2413086	C2	2011-02-27	RU2413086
FR2889298	B1	2010-11-26	FR2889298
CN101228409	B	2010-07-28	CN101228409B
US20090301101	A1	2009-12-10	US20090301101
RU2008107584	A	2009-09-10	RU2008107584
JP2009502618	A	2009-01-29	JP2009502618
CN101228409	A	2008-07-23	CN101228409
EP1907781	A2	2008-04-09	EP1907781
WO2007/012725	A3	2007-03-15	WO200712725
FR2889298	A1	2007-02-02	FR2889298
CA2615275	A1	2007-02-01	CA2615275
WO2007/012725	A2	2007-02-01	WO200712725



Abstract

(EP1907781)

The invention relates to a heat exchanger (1) provided with a heat exchanger housing (4) for circulating a cooling air flow and a hot air flow therein comprising a hot air input channel (18) placed on the housing rear side for supplying the hot air flow to the heat exchanger housing and a cooling air discharge channel (9) arranged on the rear side of said heat exchanger housing for exhausting the cooling air flow therefrom, wherein said channels are concentrically shaped. Said invention also relates to a propulsion unit provided with the inventive heat exchanger, wherein the cooling air discharge channel (9) arranged in the rear part of the housing crosses the strut in such a way that the cooling air flow is exhausted behind a jet engine. An aircraft provided at least one inventive propulsion unit is also disclosed.

Inventors

MARCHE HERVÉ

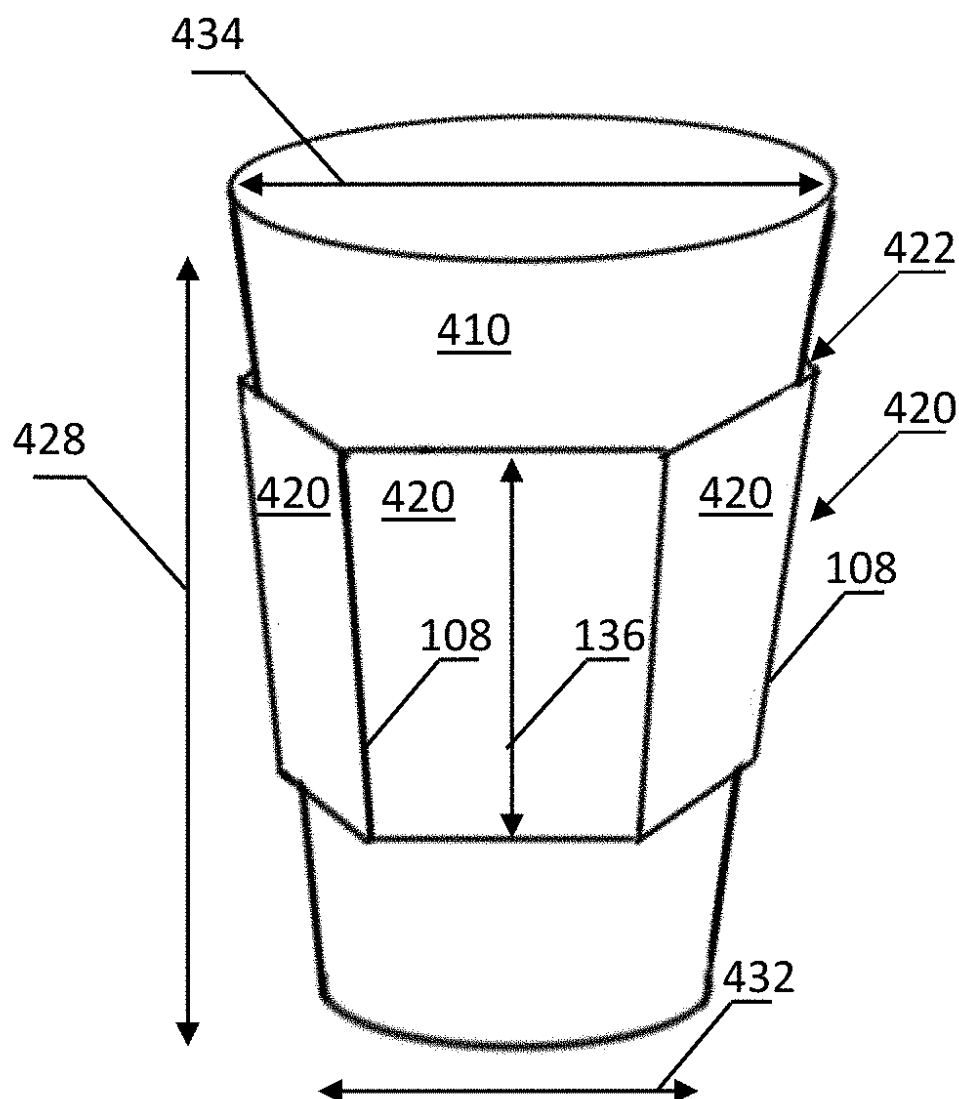
Latest standardized assignees - inventors removed

AIRBUS OPERATIONS

Family 16/20 - FAMPAT - ©Questel

Title

(US20190045956)

Beverage **container** protective sleeve and methods of manufacturing**Images****Publication numbers with kind code & date**[US20190045956](#)

A1 2019-02-14

US20190045956

**Abstract**

(US20190045956)

Beverage cup **thermal** sleeve and methods of manufacturing are disclosed. The sleeve is fabricated from a two sided cardboard material and includes a hand protector portion and a cup interfacing portion. The hand protector portion is obtained by scoring the cardboard along multiple grooves thus forming multiple facets. When the sleeve is assembled and installed onto a cup, these facets provide multiple holding surfaces for a hand. The cup interfacing portion is disposed on top of the hand protector portion and includes multiple tabs. The tabs are formed by multiple cuts in the cardboard and

folded over along a top edge of the hand protector portion. Adjacent tabs are configured as having different shapes and/or dimensions so as to enable a better contact between the cup and the sleeve and to provide for an easier opening of the folded sleeve when inserting onto the cup.

Inventors

ORAZIO JUSTIN ALAN

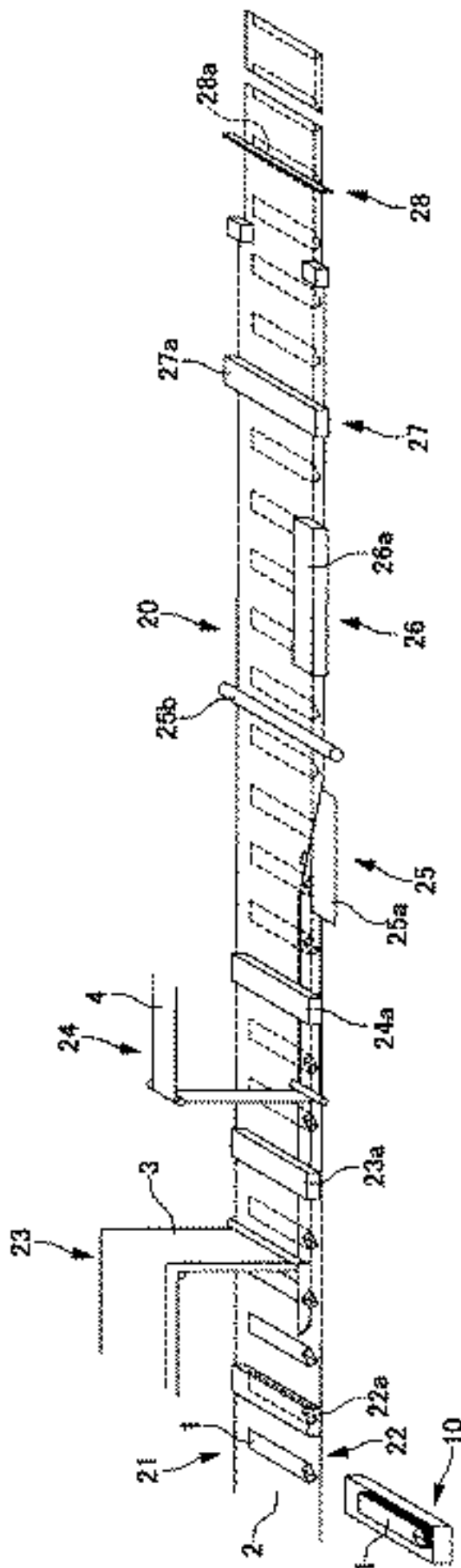
Family 17/20 - FAMPAT - ©Questel

Title

(JP2015116799)

Manufacturing method for self-standing packaging bag with side gusset

Images



JP5969451	B2	2016-07-15	JP5969451
JP2015116799	A	2015-06-25	JP2015116799

**Abstract**

(JP2015116799)

PROBLEM TO BE SOLVED: To provide a manufacturing method for a self-standing packaging bag with a side gusset that can prevent a defective sheet for a side gusset from being supplied to a package manufacturing line and reduce manufacturing cost.

SOLUTION: A manufacturing line for a self-standing packaging bag with a side gusset comprises a manufacturing line 10 for a sheet for a side gusset and a manufacturing line 20 for a package. In the manufacturing line 10 for a sheet for a side gusset, a process 11 of manufacturing a sheet for a side gusset, a process 12 of inspecting the sheet for the side gusset, a process 13 of removing a defective sheet for a side gusset and a process 14 of feeding the sheet for a side gusset are performed. In the manufacturing line 20 for a package, a first process 21 of feeding a sheet material, a process 22 of placing the sheet for a side gusset, a second process 23 of feeding the sheet material, a process 24 of feeding a sheet material at a bottom part, a process 25 of folding the bottom part, a process 26 of jointing the bottom part, a process 27 of jointing a side part and a process 28 of cutting are performed.

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Inventors

OSUGI KAZUYUKI

KUDAKA KAZUKI

Latest standardized assignees - inventors removed

SEISAN NIPPONSHA

Family 18/20 - FAMPAT - ©Questel

Title

(FR1290321)

Improvements to packages made of cardboard and the like

Publication numbers with kind code & date

FR1290321	A	1962-04-13	FR1290321
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**Inventors**

KAUFFELD DON B

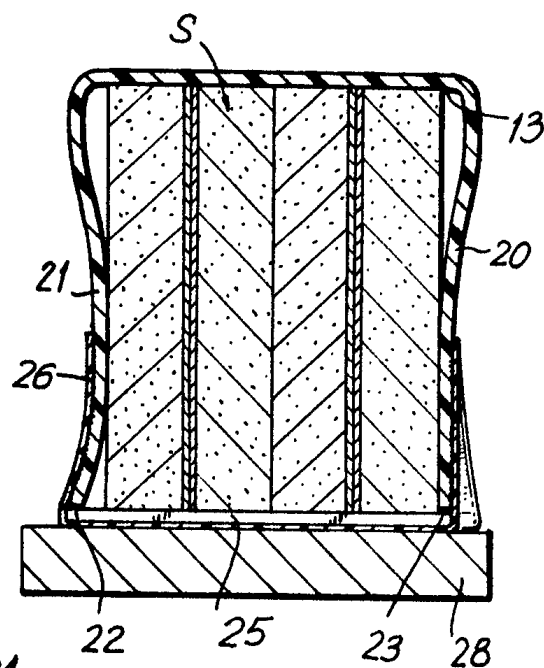
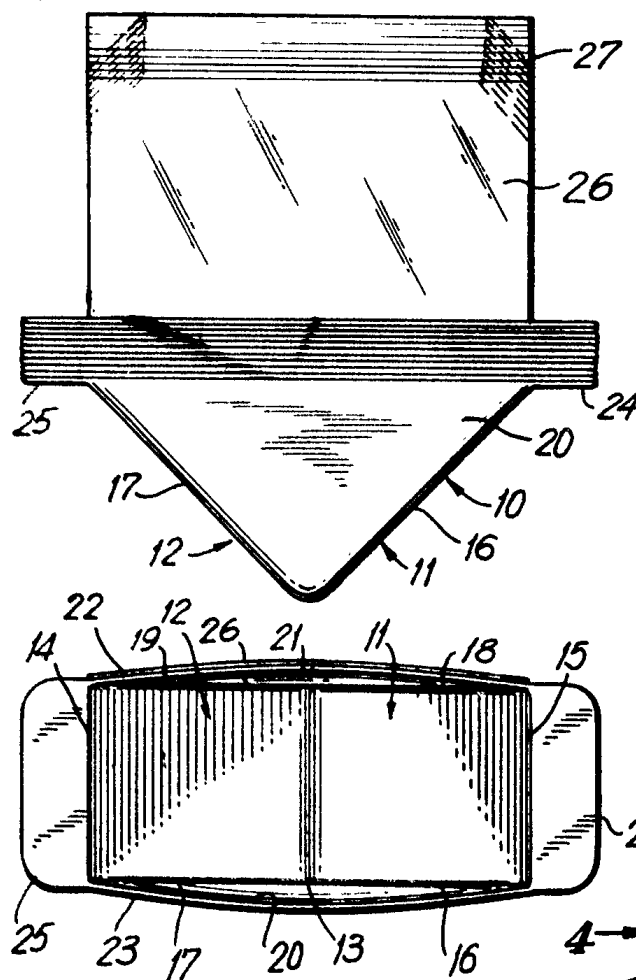
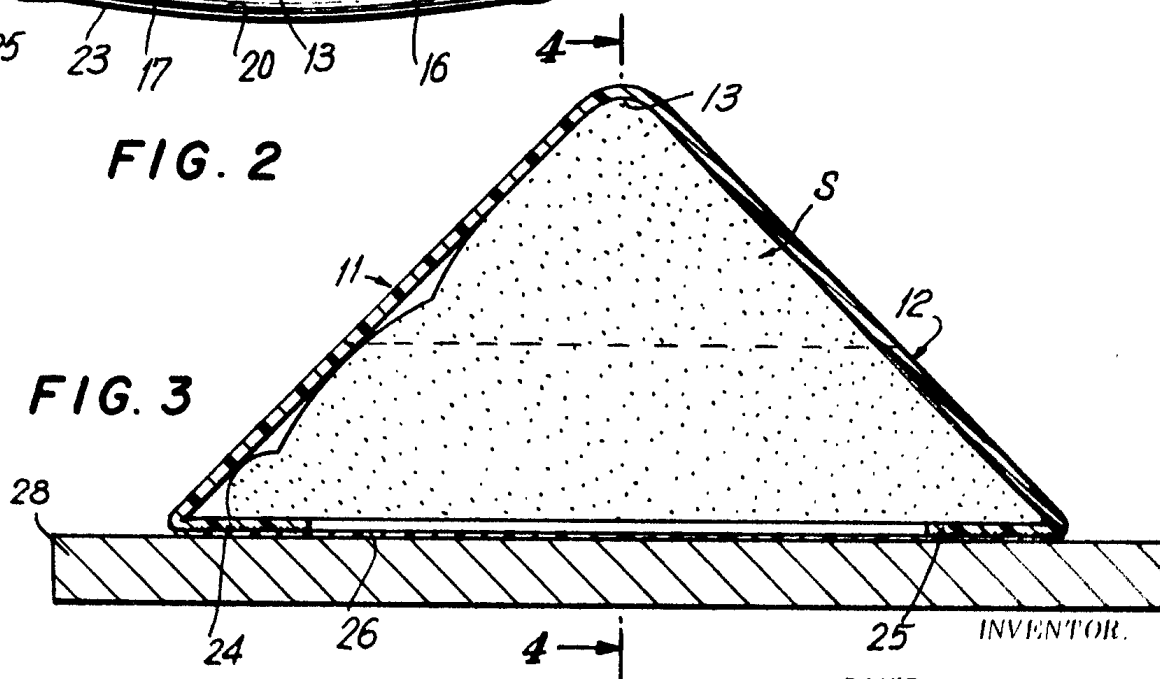
Family 19/20 - FAMPAT - ©Questel

Title

(US3575337)

Food package

Images

FIG. 1**FIG. 4****FIG. 2****FIG. 3**

INVENTOR.
 BY DANIEL BERNHARDT
Mark Basseches
 ATTORNEY

Publication numbers with kind code & date

US3575337

A 1971-04-20

US3575337



Abstract

(US3575337)

A food package, especially for sandwiches, particularly adapted to be closed by a heat-sealing operation and characterized

by insulating the enclosed food from the heat inherent in forming the heat seal. The shape of the package is modified in the course of the closure operation to grip against the sides of the bread slices, thus to limit relative movement of the article and package, and assure that the contents of the sandwich are preserved intact.

Inventors

BERNHARDT DANIEL

Latest standardized assignees - inventors removed

PAUL RICHARD KARAN TRUSTEE

Family 20/20 - FAMPAT - ©Questel

Title

(FR1417885)

Improvements to boxes

Publication numbers with kind code & date

FR1417885	A	1965-11-12	FR1417885
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**Latest standardized assignees - inventors removed**

ASHTON CONTAINERS