

Search strategy

Query
(2016WO-US39243)/XAP
..SIMILARITY SS 1 RANKED 1

100 Documents

Publication numbers	Title	Current assignees
CA2990622 A1	Process for producing flexible container with microcapillary dispensing system	DOW GLOBAL TECHNOLOGIES
CA3029439 A1	Flexible pouch with microcapillary dispensing system	DOW GLOBAL TECHNOLOGIES
CA2990626 A1	Process for in situ production of microcapillary dispensing system for flexible pouch	DOW GLOBAL TECHNOLOGIES
CA2990621 A1	Flexible pouch with microcapillary dispensing system	DOW GLOBAL TECHNOLOGIES
US10167116 B1	Flexible bag with microcapillary strip	DOW GLOBAL TECHNOLOGIES
US20160016679 A1	Flexible container with fitment and process for producing same	DOW GLOBAL TECHNOLOGIES
CA2954413 A1	Flexible container with fitment and process for producing same	DOW GLOBAL TECHNOLOGIES
CA3025327 A1	Fitment with blend component and flexible container with same	DOW GLOBAL TECHNOLOGIES
CA2981721 A1	Flexible container with fitment	DOW GLOBAL TECHNOLOGIES
US20180244418 A1	Process for Producing a Flexible Container	DOW GLOBAL TECHNOLOGIES
WO201822709 A1	Flexible container with peel sleeve	DOW GLOBAL TECHNOLOGIES, ...
US20180086528 A1	Seal bar and process for using same	DOW GLOBAL TECHNOLOGIES
WO2016149259 A1	Flexible fitment for flexible container	DOW GLOBAL TECHNOLOGIES
WO2018200351 A1	Flexible container	DOW GLOBAL TECHNOLOGIES
WO2018200354 A1	Flexible container	DOW GLOBAL TECHNOLOGIES
WO2018200352 A1	Flexible container	DOW GLOBAL TECHNOLOGIES
US20150314919 A1	Process for producing a flexible container	DOW GLOBAL TECHNOLOGIES
EP3409614 A1	Flexible container with three-dimensional random loop material	DOW GLOBAL TECHNOLOGIES
US20180086527 A1	Flexible fitment for flexible container	DOW GLOBAL TECHNOLOGIES

Publication numbers	Title	Current assignees
US20150314928 A1	Flexible container	DOW GLOBAL TECHNOLOGIES
US20160304254 A1	Flexible container with a spray valve	DOW GLOBAL TECHNOLOGIES
WO2016149263 A1	Process for sealing flexible fitment to flexible film	DOW GLOBAL TECHNOLOGIES
US20180086515 A1	Flexible container with pop-up spout	DOW GLOBAL TECHNOLOGIES
CA3000224 A1	Fitment with ethylene/ -olefin multi-block copolymer	DOW GLOBAL TECHNOLOGIES
US20170120552 A1	Process for sealing flexible fitment to flexible film	DOW GLOBAL TECHNOLOGIES
US20170088328 A1	Flexible container with extendable spout	DOW GLOBAL TECHNOLOGIES
WO201805116 A1	Flexible container	DOW GLOBAL TECHNOLOGIES
US20180057225 A1	Flexible container with spout	DOW GLOBAL TECHNOLOGIES
WO2016164388 A1	Processing for producing flexible container with fitment using expandable mandrel	DOW GLOBAL TECHNOLOGIES
US20170088318 A1	Fitment with valve and ethylene/ -olefin multi-block copolymer	DOW BRASIL INDUSTRIA E COMERCIO DE PRODUCTOS QUIMICOS, ...
US9856063 B1	Flexible Container with Comfort Grip	DOW GLOBAL TECHNOLOGIES
US20180086526 A1	Flexible container with tube member	DOW GLOBAL TECHNOLOGIES
WO201864027 A1	Fitment with propylene-based blend component and flexible container with same	DOW GLOBAL TECHNOLOGIES
US20170121082 A1	Stand-up container	DOW GLOBAL TECHNOLOGIES
US20140231453 A1	Flexible pouch and dock system	DOW GLOBAL TECHNOLOGIES
WO200426702 A2	Method and apparatus for producing fused tube on bag and bag produced thereby	AFP ADVANCED FOOD PRODUCTS
US20140231289 A1	Dispenser for flexible sheets	DOW GLOBAL TECHNOLOGIES
MX2009004405 A	Apparatus and method of producing flexible packages having an automatic closure feature	INTERCONTINENTAL GREAT BRANDS
FR2637572 A1	Flexible container	THIMONNIER
WO2014100386 A1	Flexible film composition for heat seals and container with	DOW GLOBAL

Publication numbers	Title	Current assignees
	same	TECHNOLOGIES
USD719035 S1	Pouch for fresh produce item and method	DOW GLOBAL TECHNOLOGIES
WO9742897 A1	Carrier and method for containers to be sterilized by E-beams	BRAUN MEDICAL
EP1676784 A1	Flexible container containing a liquid product, and a process for making a liquid-filled, flexible container	PROCTER & GAMBLE
EP1808380 A1	Flexible receptacle for liquids and method of manufacturing thereof	PEPUP
US20050167443 A1	Flexible bags with locators	CLEAR LAM PACKAGING
NO9103128 D0	Pouch containers and method for preparing the same	COLGATE PALMOLIVE
US20160297569 A1	Flexible containers with integral dispensing spout	KALEIDOSCOPE, ...
WO9923966 A1	Method for making a flexible medical container with selectively enlargeable compartments	BRAUN MEDICAL
WO9924086 A1	Flexible multiple compartment medical container with preferentially rupturable seals	BRAUN MEDICAL
DE2356174 A1	Convenience spray dispensing packet	REINER GEORGE
US20140231452 A1	Dispensing container and method	DOW GLOBAL TECHNOLOGIES
US20140352259 A1	Method and apparatus for forming a flexible pouch with fitment	POUCH PAC INNOVATIONS
US20030000632 A1	Flexible multi-compartment container with peelable seals and method for making same	BRAUN MEDICAL
US20160297590 A1	Flexible containers with puckered corners	PROCTER & GAMBLE
IT96MI2451 D0	System and method to form, fill and seal flexible bags	BAXTER BIOTECH TECHNOLOGY
US20150030264 A1	Pouch with smooth sides	POUCH PAC INNOVATIONS
CA2990919 A1	System for handling sterilization of thin body flexible containers (pouch)	GUALA PACK
CA2987956 A1	Flexible containers with removable portions	PROCTER & GAMBLE
JP11208681 A	Repacking pouch	DAI NIPPON PRINTING
US20040065056 A1	Patch for flexible container	RAPAK
WO200685034 A1	Method and plant for packaging liquid products in a flexible bag	SMURFIT KAPPA BAG BOX
GB9622715 D0	Nozzle for atomizing a fluid in a fluidised bed	INEOS
US20040118710 A1	Multiple compartment pouch and beverage container with frangible seal	DU PONT DE NEMOURS, ...
FR2821766 A1	Dispenser for fluid esp cosmetic product has supple pouch inside compressible bulb with air inlet valve	AIRLESSYSTEMS

Publication numbers	Title	Current assignees
WO201131654 A1	Soft-sided flexible blister package	INTERCONTINENTAL GREAT BRANDS
SE200101442 D0	Flexible container and method for manufacturing the same	ECO LEAN RESEARCH & DEVELOPMENT
JP2001048197 A	Refill pouch	DAI NIPPON PRINTING
WO201132162 A2	Pouch with tube spout fitment	POUCH PAC INNOVATIONS
EP1028602 A2	Nozzle of fluid container and fluid container having the nozzle	SCHOTT
CA2932731 A1	Dispenser for dispensing flowable material	BAYER CONSUMER CARE
WO200445981 A1	Removable slit cover for flexible plastic containers	LAFOND LUC MARCEL
WO9801362 A1	Pouch for containing liquids	COLGATE PALMOLIVE
WO201371220 A1	Pouch with rigid handle and supports and method of making	PROAMPAC INTERMEDIATE, ...
WO200514399 A1	Method and device for packaging, and packaged body	SUNSTAR, ...
JP2001031119 A	Closed packaging body with pouring section	DAI NIPPON PRINTING
CA2349067 A1	Removable slit cover for flexible plastic container bag	LAFOND LUC MARCEL
JP2017178456 A	System for handling the sterilisation of flexible pouches	GUALA PACK
WO2015106330 A2	Sheet material dispenser	KIMBERLY CLARK
CA2854346 A1	Flexible pouch with near field communication	POUCH PAC INNOVATIONS
US20090001099 A1	Liquid draw-back system for a dispensing package	CLOROX
KR19910015480 A	Flexible pouch and his manufacturing method	COLGATE PALMOLIVE
KR200367606U Y1	Pouch	CJ
WO200230251 A2	Product dispenser having internal temperature changing element	PROCTER & GAMBLE
WO200123271 A2	Contoured pouch with pourable spout, and apparatus for producing same	SEALED AIR
WO2018175149 A1	Methods of opening flexible containers	PROCTER & GAMBLE
FR2973002 A1	Flexible bag for perfume, has two flexible walls, chute and tear line, where distance between exit of tear line and chute is less than five mm, and tear line is provided at specific distance from longitudinal edges	ELIDOSE
CA2956438 A1	Dispensing system, packaging system, package, closure system, dispensing gun system, method of making a package, and method of dispensing a product	SEALED AIR
JP2015040067 A	Packaging bag for liquid and method for production thereof	TOPPAN PRINTING
US20030202719 A1	Gusseted flexible bottle with fitment	SMART BOTTLE
WO201502651 A1	Scored package	BEMIS
US3878972 A	Liquid measuring and dispensing apparatus	POR L LASLO
US20150028057 A1	Flexible container with dispensing aid	PROCTER & GAMBLE

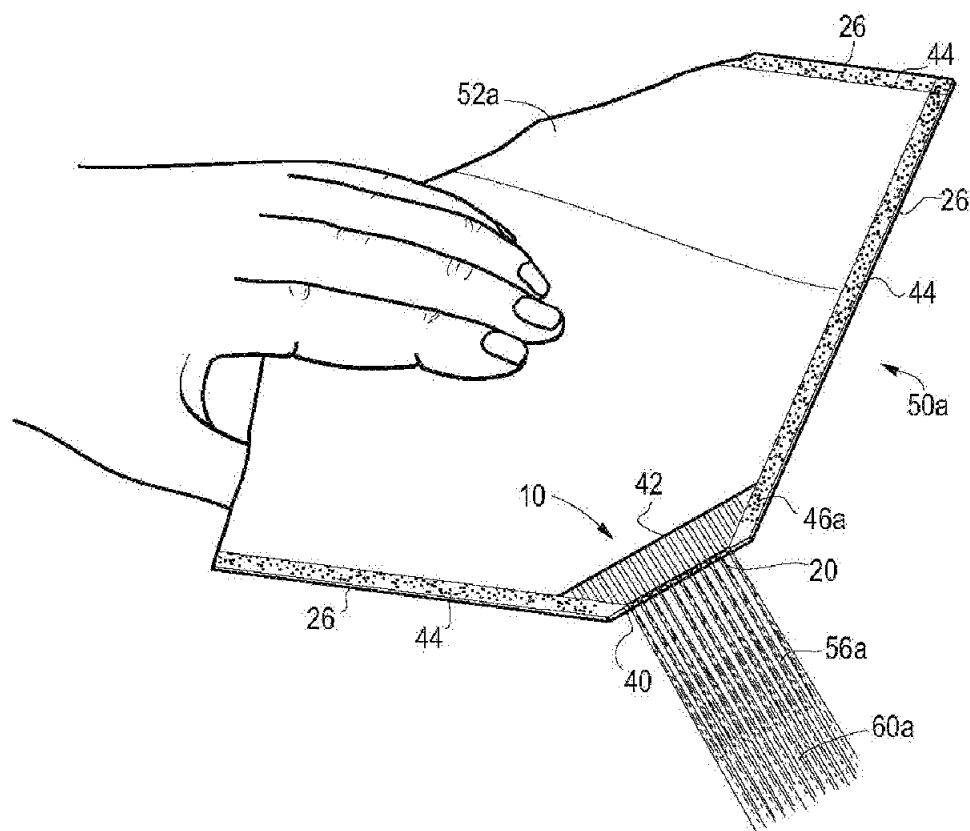
Publication numbers	Title	Current assignees
CA2858972 A1	Biodegradable sheet	TIPA
JP07257607 A	Flexible bag for bag-in box	HOSOKAWA YOKO
BR200501792 A1	Easy-open handle bag for medium to heavy duty applications	CURWOOD
US20170348715 A1	Dispensing system for dispensing flowable materials, flexible bag or pouch for use in dispensing system, and methods of filling dispensing bottles and dispensing flowable materials therefrom	FRES
WO200448217 A1	Method for manufacturing a pouch	TOYO SEIKAN KAISHA
WO201871477 A1	Pouch for fluid	DU PONT DE NEMOURS
US20040136620 A1	Stand-up pouch	WILSON DEREK
JP10338249 A	Bag for refill	KAO

Family 1/100 - FAMPAT - ©Questel

Title

(EP3313741)

Process for producing flexible container with microcapillary dispensing system

Images**Publication data including kind & date**

CA2990622	A1	2017-01-05	CA2990622
WO2017/003859	A1	2017-01-05	WO201703859
AR105133	A1	2017-09-06	AR-105133
KR20180021079	A	2018-02-28	KR20180021079
CN107810145	A	2018-03-16	CN107810145
IN201817001290	A	2018-04-06	IN201817001290
CO2018000237	A2	2018-04-10	CO2018000237
BR112017025931	A1	2018-04-10	BR112017025931
MX2017015998	A	2018-04-20	MX2017015998
EP3313741	A1	2018-05-02	EP3313741
CL2017003181	A1	2018-06-01	CL3181201700
US20180194504	A1	2018-07-12	US20180194504
JP2018519217	A	2018-07-19	JP2018519217
BR112017025931	A2	2018-08-14	BR112017025931

**Abstract**

(EP3313741)

The present disclosure provides a process. In an embodiment, a process for producing a flexible pouch is provided and includes placing a microcapillary strip between two opposing flexible films. The opposing flexible films define a common peripheral edge. The process includes positioning a first side of the microcapillary strip at a first side of the common peripheral edge and positioning a second side of the microcapillary strip at a second side of the common peripheral edge.

edge. The process includes first sealing, at a first seal condition, the microcapillary strip between the two flexible films; and second sealing, at a second seal condition, a peripheral seal along at least a portion of the common peripheral edge. The peripheral seal includes a sealed microcapillary segment.

Inventors

FRANCA MARCOS

PEREIRA BRUNO RUFATO

HUANG WENYI

DIETSCHE LAURA J

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

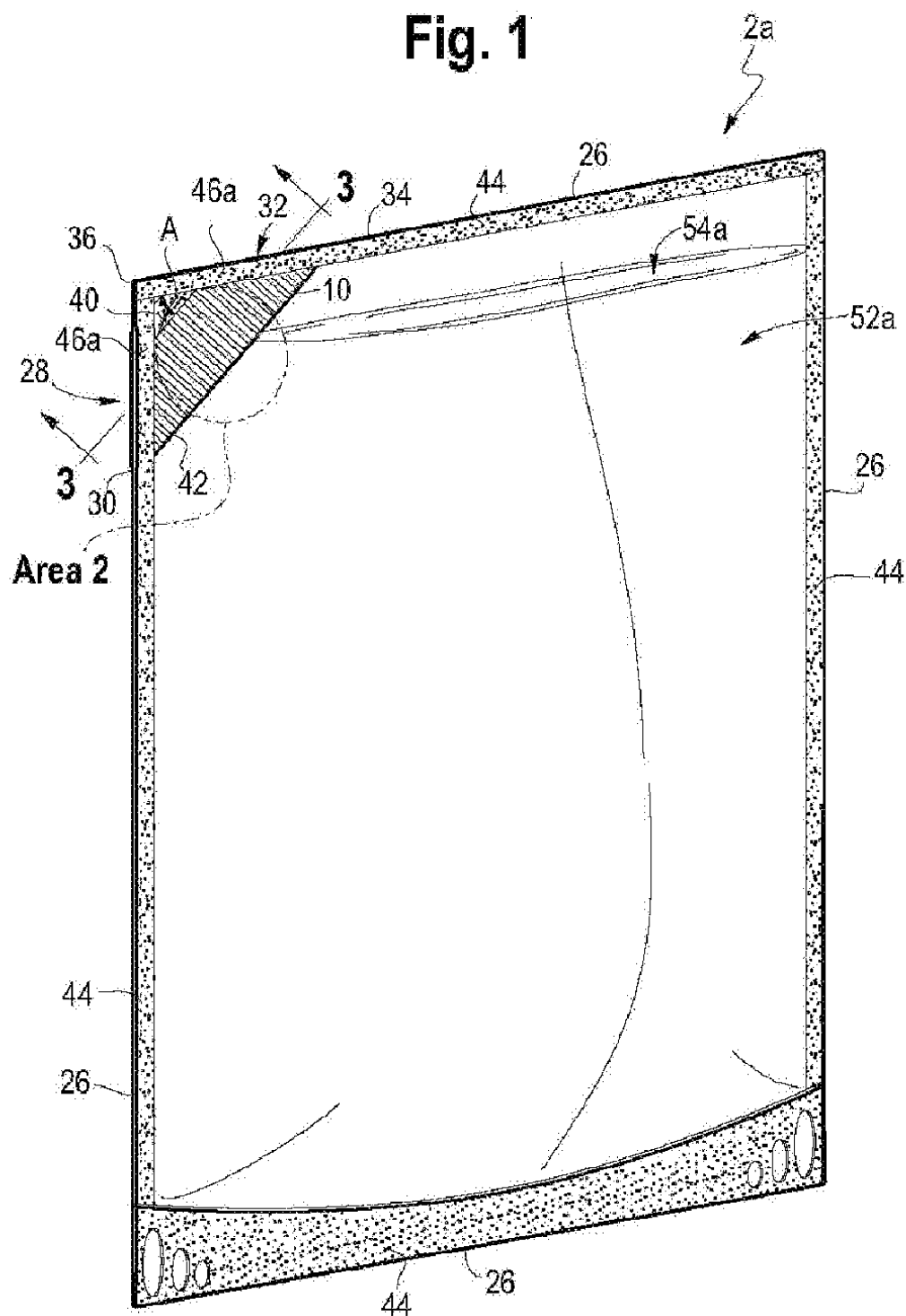
Family 2/100 - FAMPAT - ©Questel

Title

(WO201805319)

Flexible pouch with microcapillary dispensing system

Images

Fig. 1**Publication data including kind & date**

CA3029439	A1	2018-01-04	CA3029439
WO2018005319	A1	2018-01-04	WO201805319
AR108909	A1	2018-10-10	AR-108909
BR112018076782	A1	2019-01-02	BR112018076782



[CN109311040](#)

A 2019-02-05 CN109311040

[KR10-2019-0022639](#)

A 2019-03-06 KR20190022639

**Abstract**

(WO201805319)

The present disclosure provides a flexible pouch. In an embodiment, the flexible pouch includes opposing flexible films. The flexible films define a common peripheral edge. A microcapillary strip is sealed between the opposing flexible films. A first side of the microcapillary strip is located at a first side of the common peripheral edge and a second side of the microcapillary strip located at a second side of the common peripheral edge. A peripheral seal extends along at least a portion of the common peripheral edge. The peripheral seal comprises a sealed microcapillary segment. The peripheral seal forms a closed flexible pouch having a storage compartment. A liquid is present in the storage compartment.

Inventors

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DIETSCHE LAURA J

CHEN ZHONGBI

PEREIRA BRUNO R

RAMESH NARAYAN

Latest standardized assignees - inventors removed

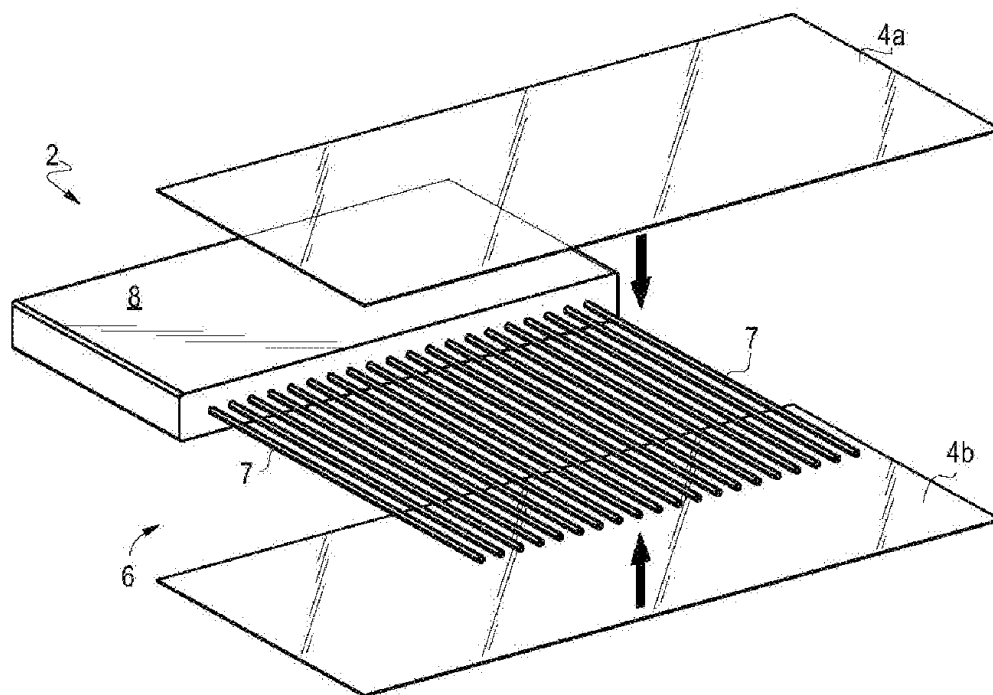
DOW GLOBAL TECHNOLOGIES

Family 3/100 - FAMPAT - ©Questel

Title

(EP3313742)

Process for in situ production of microcapillary dispensing system for flexible pouch

Images**Publication data including kind & date**[CA2990626](#)

A1 2017-01-05 CA2990626

[WO2017003865](#)

A1 2017-01-05 WO201703865

[AR105128](#)

A1 2017-09-06 AR-105128

[KR20180021800](#)

A 2018-03-05 KR20180021800



IN201817000951	A	2018-03-30	IN201817000951				
BR112017027362	A1	2018-04-03	BR112017027362				
CO2018000248	A2	2018-04-10	CO2018000248				
MX2017016804	A	2018-04-30	MX2017016804				
EP3313742	A1	2018-05-02	EP3313742				
CN108093632	A	2018-05-29	CN108093632				
CL2017003281	A1	2018-06-22	CL3281201700				
US20180186536	A1	2018-07-05	US20180186536				
JP2018522787	A	2018-08-16	JP2018522787				
BR112017027362	A2	2018-08-21	BR112017027362				

Abstract

(EP3313742)

In an embodiment of the present disclosure, a process for producing a flexible pouch is provided. The process includes placing a capillary precursor element (CPE) between two opposing flexible films. The flexible films define a common peripheral edge. The CPE comprises an array of pins sandwiched between two opposing polymeric strips. The process includes positioning a first side of the CPE at a first side of the common peripheral edge and positioning a second side of the CPE at a second side of the common peripheral edge. The process includes first sealing, at a first seal condition, (i) the opposing polymeric strips to each other to form a matrix, and (ii) sealing the matrix to the two opposing flexible films. The process includes removing the array of pins from the matrix to form an in situ microcapillary strip.

Inventors

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

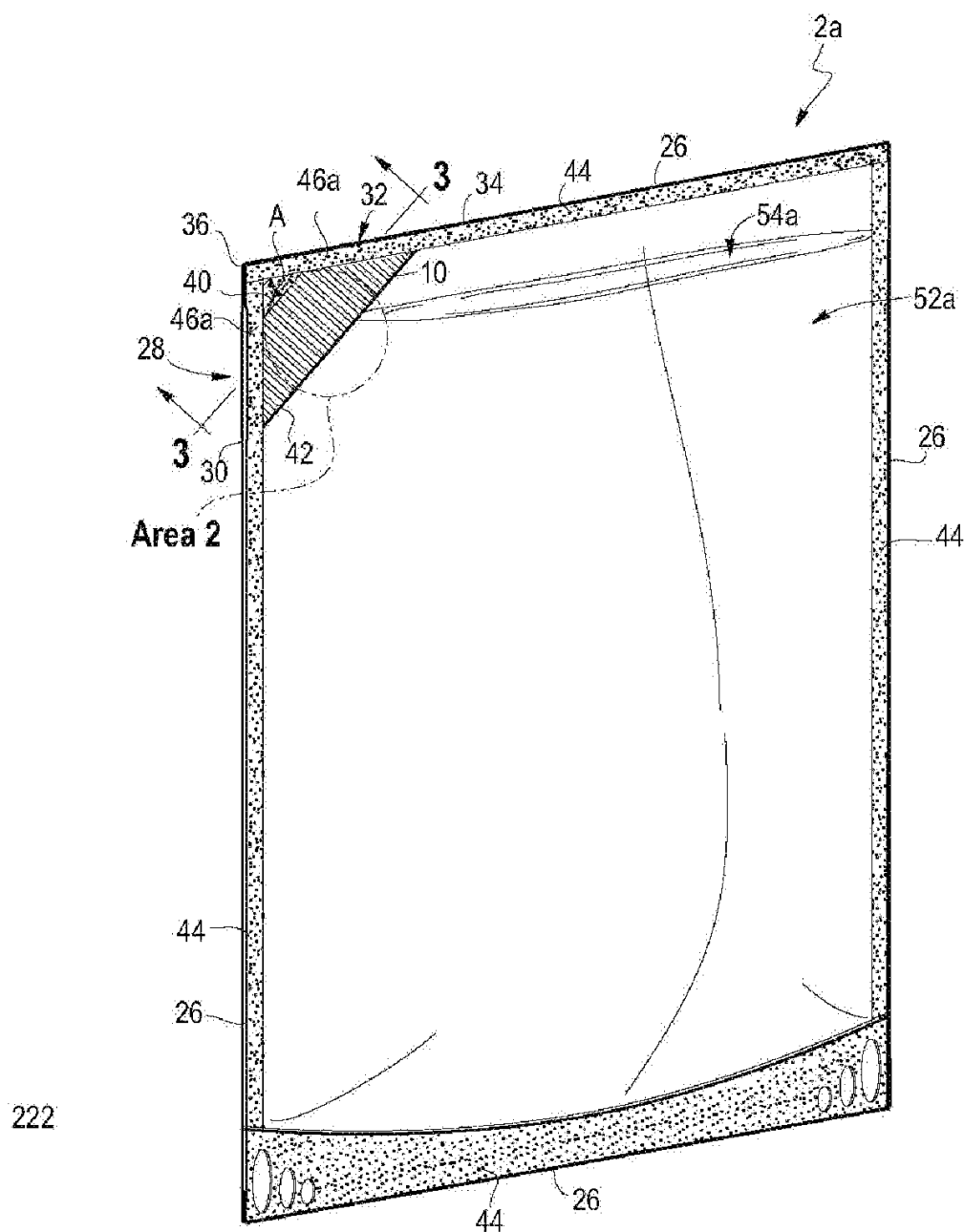
Family 4/100 - FAMPAT - ©Questel

Title

(EP3313750)

Flexible pouch with microcapillary dispensing system

Images



Publication data including kind & date

CA2990621	A1	2017-01-05	CA2990621
WO2017003851	A1	2017-01-05	WO201703851
AR105131	A1	2017-09-06	AR-105131
CN107810151	A	2018-03-16	CN107810151
KR20180030834	A	2018-03-26	KR20180030834
BR112017026486	A1	2018-04-03	BR112017026486
IN201817001499	A	2018-04-06	IN201817001499
CO2018000240	A2	2018-04-10	CO2018000240
MX2017015995	A	2018-04-20	MX2017015995
EP3313750	A1	2018-05-02	EP3313750
CL2017003182	A1	2018-06-01	CL3182201700
US20180194528	A1	2018-07-12	US20180194528



[JP2018522788](#)

A 2018-08-16 JP2018522788

[BR112017026486](#)

A2 2018-08-21 BR112017026486

**Abstract**

(EP3313750)

The present disclosure provides a flexible pouch. In an embodiment, the flexible pouch includes opposing flexible films. The opposing flexible films define a common peripheral edge. The flexible pouch includes a microcapillary strip sealed between the opposing flexible films. A first side of the microcapillary strip is located at a first side of the common peripheral edge. A second side of the microcapillary strip is located at a second side of the common peripheral edge. A peripheral seal extends along at least a portion of the common peripheral edge. The peripheral seal includes a sealed microcapillary segment.

Inventors

FRANCA MARCOS

PEREIRA BRUNO RUFATO

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

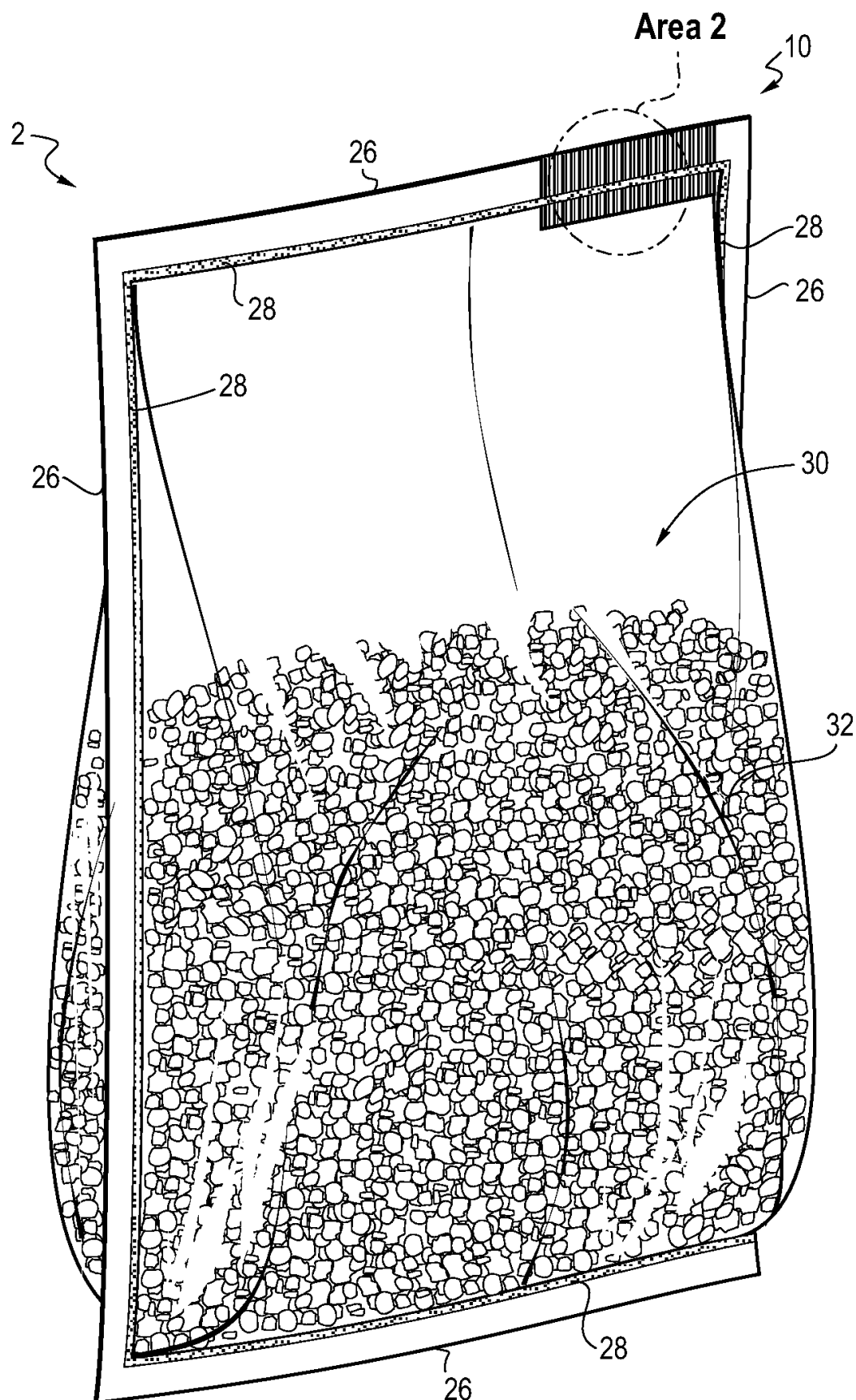
Family 5/100 - FAMPAT - ©Questel

Title

(WO201946395)

Flexible bag with microcapillary strip

Images

**Publication data including kind & date**[US10167116](#)

B1 2019-01-01

US10167116

[WO2019/046395](#)

A1 2019-03-07

WO201946395

**Abstract**

(WO201946395)

In an embodiment, a flexible bag (2) is provided and includes opposing flexible films (22, 24) composed of a polymeric material. The flexible films define a common peripheral edge (26). The flexible bag includes a microcapillary strip (18) located between the opposing flexible films and extending along a portion of the common peripheral edge. A peripheral seal (28) extends along at least a portion of the common peripheral edge. The peripheral seal seals the microcapillary strip between the opposing flexible films. The peripheral seal forms a closed compartment. The flexible bag includes an amount of a flowable solid particulate material (FSPM) in the storage compartment.

Inventors

HUANG WENYI

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

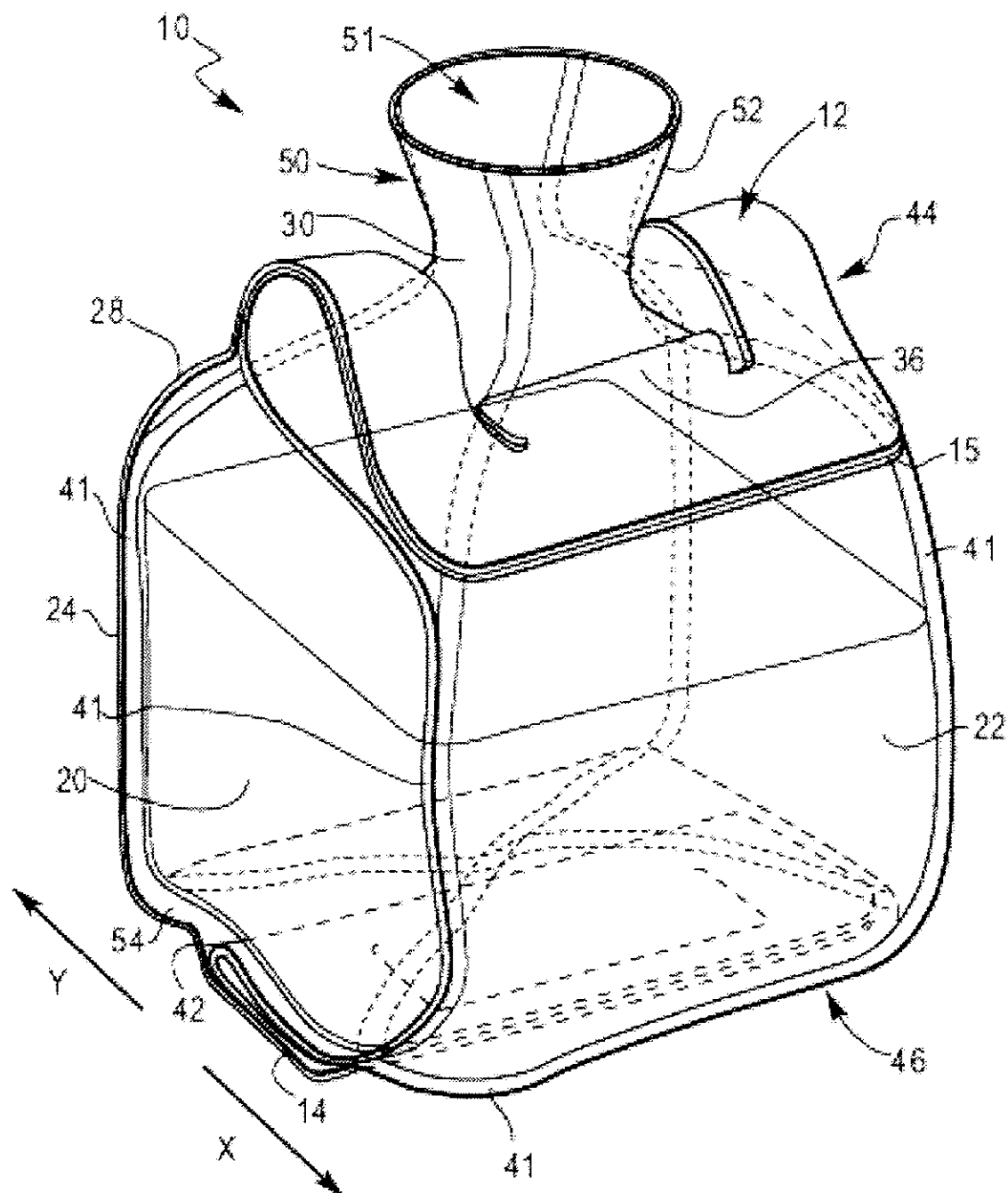
Family 6/100 - FAMPAT - ©Questel

Title

(EP3169604)

Flexible container with fitment and process for producing same

Images



Publication data including kind & date

US20160016679	A1	2016-01-21	US20160016679
WO2016011153	A1	2016-01-21	WO201611153
AR101221	A1	2016-11-30	AR-101221
BR112017000283	A1	2017-01-17	BR112017000283
KR20170031706	A	2017-03-21	KR20170031706
CN106550601	A	2017-03-29	CN106550601
EP3169604	A1	2017-05-24	EP3169604
JP2017527464	A	2017-09-21	JP2017527464
BR112017000283	A2	2017-10-31	BR112017000283



Abstract

(EP3169604)

A flexible container (10) is provided. The flexible container (10) includes four panels (18, 20, 22, 24). The four panels form a body portion (47); a neck portion (30), and a flare portion (50) that extends from the neck portion (30); a tapered transition

portion between the body portion (47) and the neck portion (30); and the neck portion (30) has a reduced width. The flare portion (50) has an expanded end (51). The width of the flare portion (50) gradually increases from the neck portion (30) to the expanded end (51).

Inventors

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

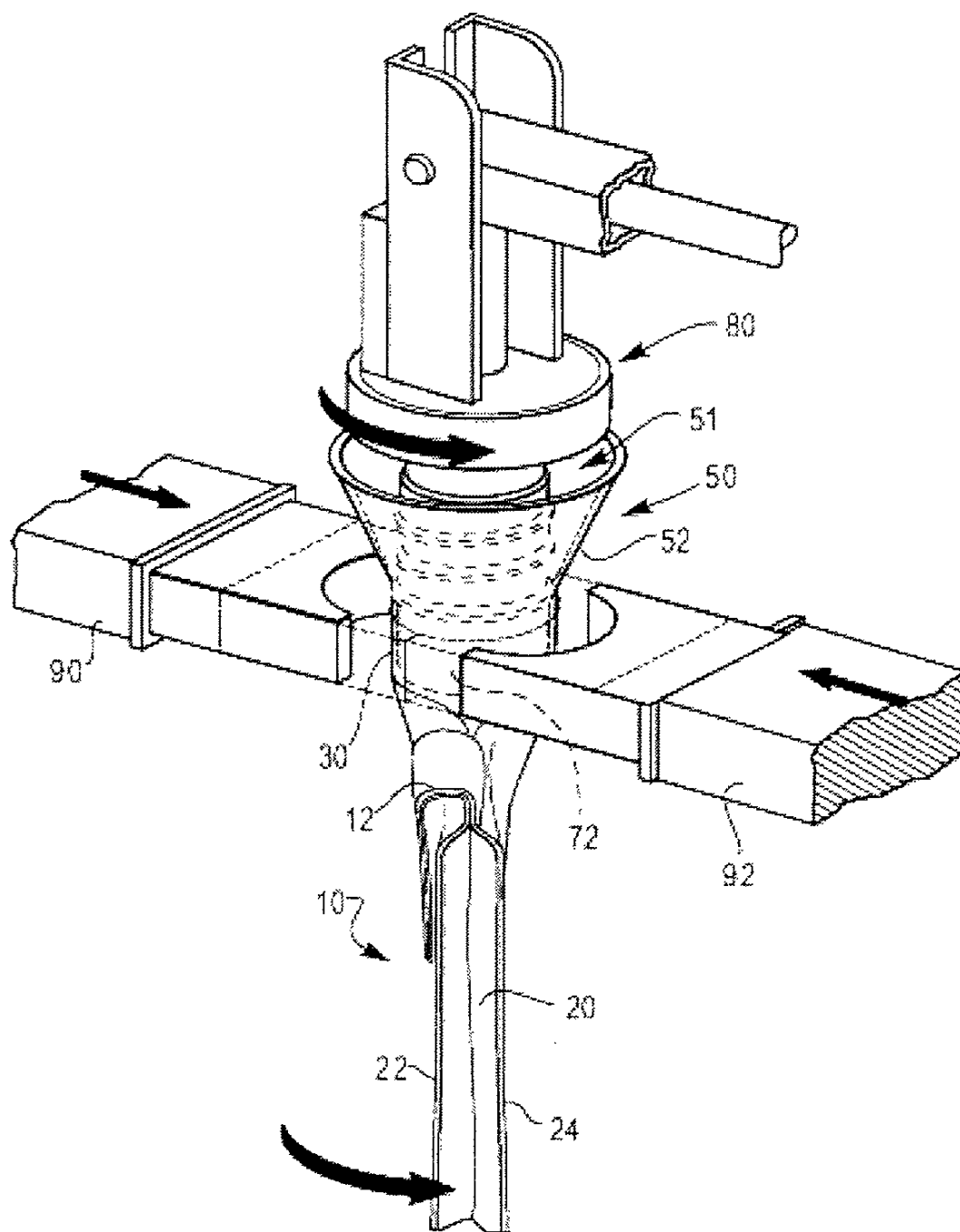
Family 7/100 - FAMPAT - ©Questel

Title

(EP3169593)

Flexible container with fitment and process for producing same

Images



Publication data including kind & date

CA2954413	A1	2016-01-21	CA2954413
US20160016695	A1	2016-01-21	US20160016695
WO2016011157	A2	2016-01-21	WO201611157
WO2016011157	A3	2016-03-10	WO201611157
AR101220	A1	2016-11-30	AR-101220
BR112017000718	A1	2017-01-24	BR112017000718
AU2015289669	A1	2017-02-16	AU2015289669
KR20170031705	A	2017-03-21	KR20170031705
CN106550599	A	2017-03-29	CN106550599
IN201717003803	A	2017-04-14	IN201717003803
US9624005	B2	2017-04-18	US9624005



VN51970	A	2017-04-25	VN--51970				
MX2017000532	A	2017-05-01	MX2017000532				
PH12017500064	A1	2017-05-15	PH12017500064				
EP3169593	A2	2017-05-24	EP3169593				
CZ20170088	A3	2017-06-28	CZ20170088				
US20170190493	A1	2017-07-06	US20170190493				
CN106550599	A8	2017-07-07	CN106550599				
CL2017000092	A1	2017-08-18	CL0092201700				
JP2017524612	A	2017-08-31	JP2017524612				
BR112017000718	A2	2018-01-16	BR112017000718				
EP3169593	B1	2019-03-13	EP3169593				

Abstract

(EP3169593)

A flexible container (10) is provided. The flexible container (10) includes four panels (18, 20, 22 and 24). The four panels form (i) a body portion; (ii) a neck portion (30), and a flare portion (50) that extends from the neck portion (30); (iii) a tapered transition portion between the body portion and the neck portion (30); and (iv) the neck portion (30) has a reduced width. The flare portion (50) has an expanded end. The width of the flare portion (50) gradually increases from the neck portion (30) to the expanded end.

Inventors

PEREIRA BRUNO R

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

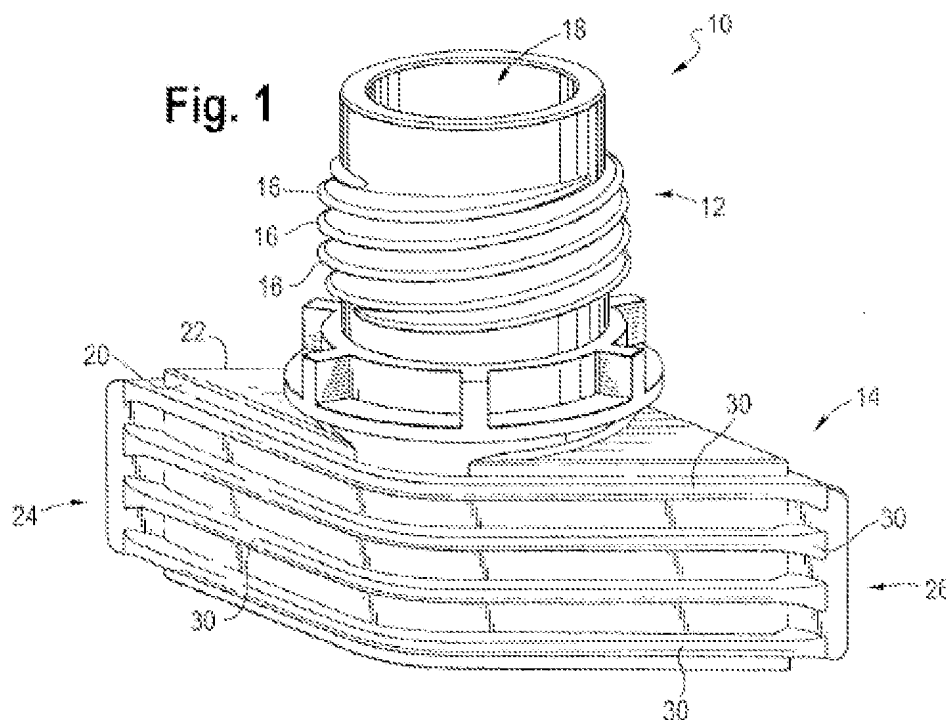
Family 8/100 - FAMPAT - ©Questel

Title

(WO2017205168)

Fitment with blend component and flexible container with same

Images



Publication data including kind & date

CA3025327	A1	2017-11-30	CA3025327
WO2017205168	A1	2017-11-30	WO2017205168
AR108467	A1	2018-08-22	AR-108467
BR112018073885	A1	2018-12-04	BR112018073885
CL2018003359	A1	2019-02-01	CL3359201800
BR112018073885	A2	2019-02-26	BR112018073885



Abstract

(WO2017205168)

The present disclosure provides a fitment. In an embodiment, a fitment is provided and includes a top portion, a base, and a channel extending through the top portion and the base for passage of a flowable material. The fitment is composed of a polymeric composition. The polymeric composition includes (i) from 70 to 90 weight percent of a high density polyethylene (HDPE) having a density from 0.940 g/cc to 0.970 g/cc, a melt temperature, T_m , greater than 125°C, and a melt index from 1 g/10 min to 50 g/10 min; and (ii) from 30 to 10 weight percent of an olefin-based elastomer having a density from 0.860 g/cc to 0.905 g/cc, a melt index from 0.2 g/10 min to 50 g/10 min, and a T_m less than 125°C.

Inventors

NUNEZ LAURA

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

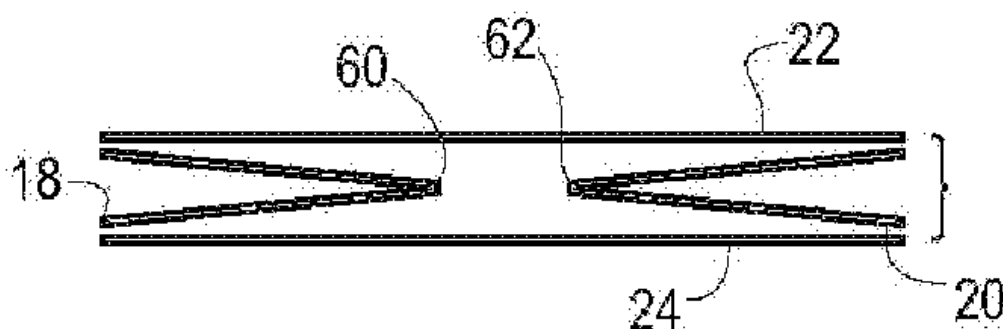
Family 9/100 - FAMPAT - ©Questel

Title

(EP3280648)

Flexible container with fitment

Images



Publication data including kind & date

CA2981721	A1	2016-10-13	CA2981721				
WO2016164391	A1	2016-10-13	WO2016164391				
TW201636276	A	2016-10-16	TW201636276				
AR104192	A1	2017-07-05	AR-104192				
BR112017021317	A1	2017-10-17	BR112017021317				
AU2016246662	A1	2017-11-09	AU2016246662				
KR20170135949	A	2017-12-08	KR20170135949				
VN55405	A	2017-12-25	VN--55405				
IN201717038035	A	2018-01-05	IN201717038035				
MX2017012898	A	2018-01-11	MX2017012898				
CO2017011173	A2	2018-01-16	CO2017011173				
CN107635884	A	2018-01-26	CN107635884				
EP3280648	A1	2018-02-14	EP3280648				
US20180079573	A1	2018-03-22	US20180079573				
JP2018510822	A	2018-04-19	JP2018510822				
BR112017021317	A2	2018-06-26	BR112017021317				

Abstract

(EP3280648)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) four panels, each panel comprising a flexible multilayer film. The flexible multilayer film includes a polymeric material composed of a polymeric material. The four panels form (i) a body, and (ii) a neck. The flexible container includes (B) a fitment having a top portion and a base. The fitment is composed of a polymeric material. The base is sealed in the neck. The base has (C) a cross-sectional shape with a diameter (d), and the base has a wall thickness (WT). The base has a d/WT ratio wherein the d/WT ratio (in mm) is from 35 to 800.

Inventors

WILKES KENNETH R
GASTON RYAN S
BONEKAMP JEFFREY E
TIWARI RASHI
VANSUMEREN MARK W

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

less than the top inner diameter, (TiD).The process includes (C) heating the tapered base to a malleable state and (D) inserting a mandrel into the fitment.The mandrel includes an expandable collar.The process includes (E) expanding the expandable collar radially outward to contact an inner surface of the tapered base.The process includes (F) increasing, with the expanding, the inner diameter of the base end to a stretched base end inner diameter (sBEiD).The sBEiD is greater than the BEiD.The process includes (G) sealing, with a pair of opposing seal bars, the tapered base to the neck.

Inventors

WILKES KENNETH R

CHOPIN III LAMY J

TIWARI RASHI

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

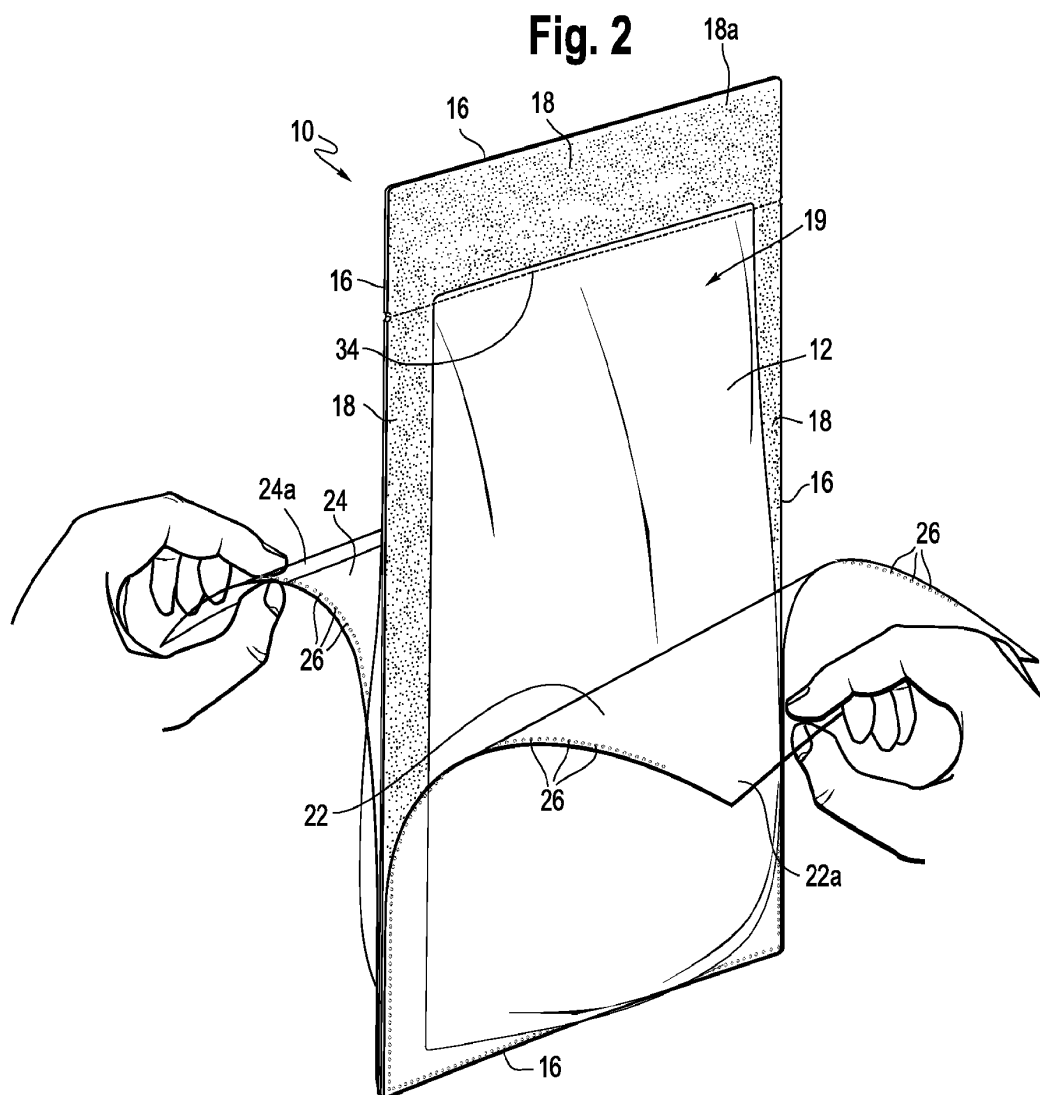
Family 11/100 - FAMPAT - ©Questel

Title

(WO201822709)

Flexible container with peel sleeve

Images

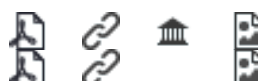


Publication data including kind & date

WO2018/022709

A1 2018-02-01

WO201822709



AR109067

A1 2018-10-24 AR-109067

BR112019001774

A1 2019-02-05 BR112019001774

**Abstract**

(WO201822709)

The present invention relates to a flexible container (10). In an embodiment, the flexible container includes a first flexible film (12) superimposed on an opposing second flexible film (14). The first flexible film and the second flexible film are sealed along a common peripheral edge (16) to form an inner container having a closed chamber. The first flexible film and the second flexible film each has an outermost layer comprising an ethylene-based polymer. Each outermost layer is a surface-treated layer having a surface energy from 33 mN/m to 36 mN/m. The flexible container includes a peel sleeve (22, 24) superimposed on each respective outermost layer and along the common peripheral edge. The flexible container includes a release material (26) located between the peel sleeve and each outermost layer along the common peripheral edge. The release material releasably attaches the peel sleeve to the inner container.

Inventors

MAZZOLA MICOLAB CARDOSO

GOMES JORGE CAMINERO

FIGUEYRA JAVIER HECTOR

D'AGOSTO SILVINA VANESA

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

ROHM & HAAS

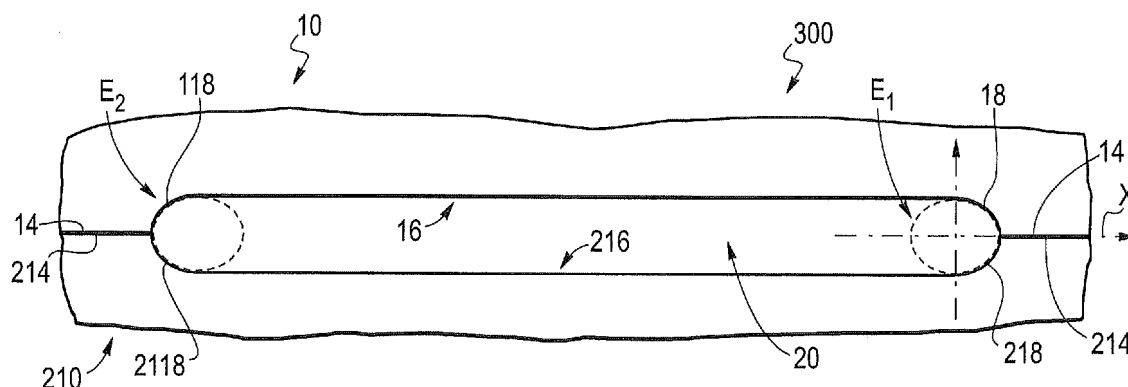
PBBPOLISUR

Family 12/100 - FAMPAT - ©Questel

Title

(WO201858031)

Seal bar and process for using same

Images**Publication data including kind & date**

US20180086528

A1 2018-03-29 US20180086528

WO2018058031

A1 2018-03-29 WO201858031

TW201813891

A 2018-04-16 TW201813891

US10155615

B2 2018-12-18 US10155615

AR109541

A1 2018-12-19 AR-109541

US20190062022

A1 2019-02-28 US20190062022

**Abstract**

(WO201858031)

The present disclosure provides a seal bar. In an embodiment, the seal bar comprises a base member having a flat front

surface and a flat recessed surface a distance (d) behind the front surface. The front surface defines an x-axis, X. The flat recessed surface has a first endpoint (A1), wherein an axis that is perpendicular to the flat recessed surface at the first endpoint (A1) defines a first y-axis (Y1). The seal bar has a concave surface extending the distance (d) between the first endpoint (A1) and a point (B1) on the flat front surface. The concave surface defines a quadrant arc segment of an ellipse between the first endpoint (A1) and the point (B1).

Inventors

MA LIANGKAI

CRABTREE SAM L

GOMES JORGE CAMINERO

MIRGON MARK H

BLACK MARC S

LABONVILLE MARK O

TURPIN MATTHEW J

HEATH MATTHEW J

SAYLOR CORY M

VANSUMEREN LEIGH ANNE

MAZZOLA NICOLAS CARDOSO

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

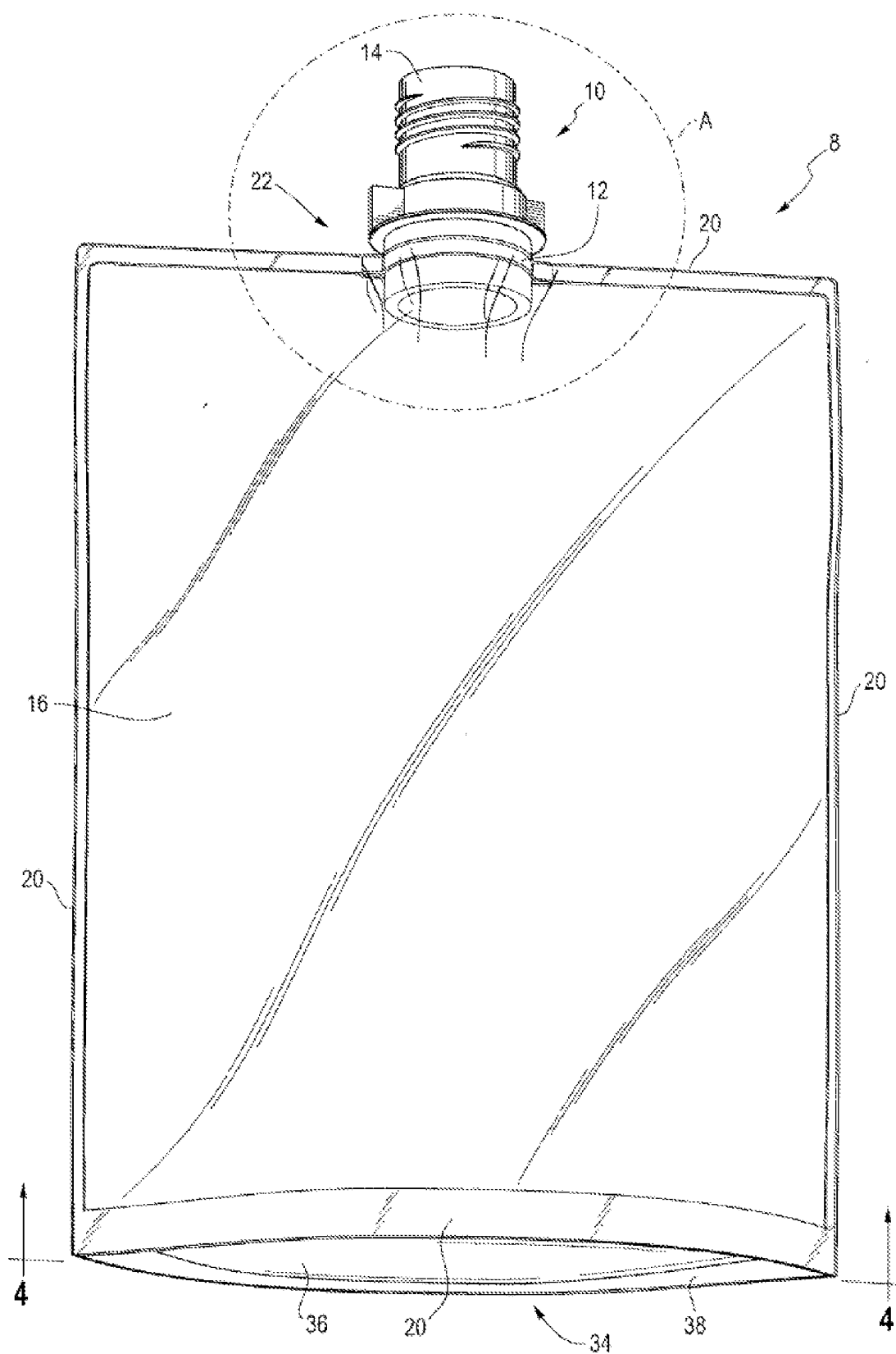
Family 13/100 - FAMPAT - ©Questel

Title

(EP3271266)

Flexible fitment for flexible container

Images



Publication data including kind & date

WO2016149259	A1	2016-09-22	WO2016149259
TW201634354	A	2016-10-01	TW201634354
AR104092	A1	2017-06-28	AR-104092
BR112017018554	A1	2017-09-05	BR112017018554
IN201717035132	A	2017-11-24	IN201717035132
VN55042	A	2017-11-27	VN--55042



MX2017011123	A	2017-11-28	MX2017011123				
CN107406183	A	2017-11-28	CN107406183				
EP3271266	A1	2018-01-24	EP3271266				
CO2017009858	A2	2018-01-31	CO2017009858				
US20180050854	A1	2018-02-22	US20180050854				
JP2018508425	A	2018-03-29	JP2018508425				
BR112017018554	A2	2018-04-24	BR112017018554				
EP3271266	B1	2019-02-13	EP3271266				

Abstract

(EP3271266)

The present disclosure provides a container. In an embodiment, a flexible container (8) is provided and includes a first multilayer film (16) and a second multilayer film (18). Each multilayer film includes a seal layer. The multilayer films are arranged such that seal layers oppose each other and the second multilayer film is superimposed on the first multilayer film. The films are sealed along a common peripheral edge (20). The flexible container includes a fitment (10) having a base (12). The base (12) includes an ethylene/a-olefin multi-block copolymer. The flexible container includes a fitment seal (22) comprising the base located between the multilayer films. The base is sealed to each multilayer film at a portion of the common peripheral edge (20).

Inventors

FRANCA MARCOS

PEREIRA BRUNO RUFATO

GERSTNER RAIMUND

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 14/100 - FAMPAT - ©Questel

Title

(WO2018200351)

Flexible container

Images

with a bottom end and an opposing top end, (ii) a bottom tapered seal inner edge (b-TSIE) extending from the BSIE bottom end, and (iii) a top tapered seal inner edge (t-TSIE) extending from the BSIE top end. (C) The t-TSIE has a length that is at least 1.1 times greater than the length of the BSIE (in mm).

Inventors

BLACK MARC S

JESPERSEN SIMON TAGE

SCHUETTE CHAD V

SIDDIQUI MUHAMMAD ALI

LOWRY HALEY A

DIGONNET FABRICE

WALTHER BRIAN W

BONEKAMP JEFFREY E

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

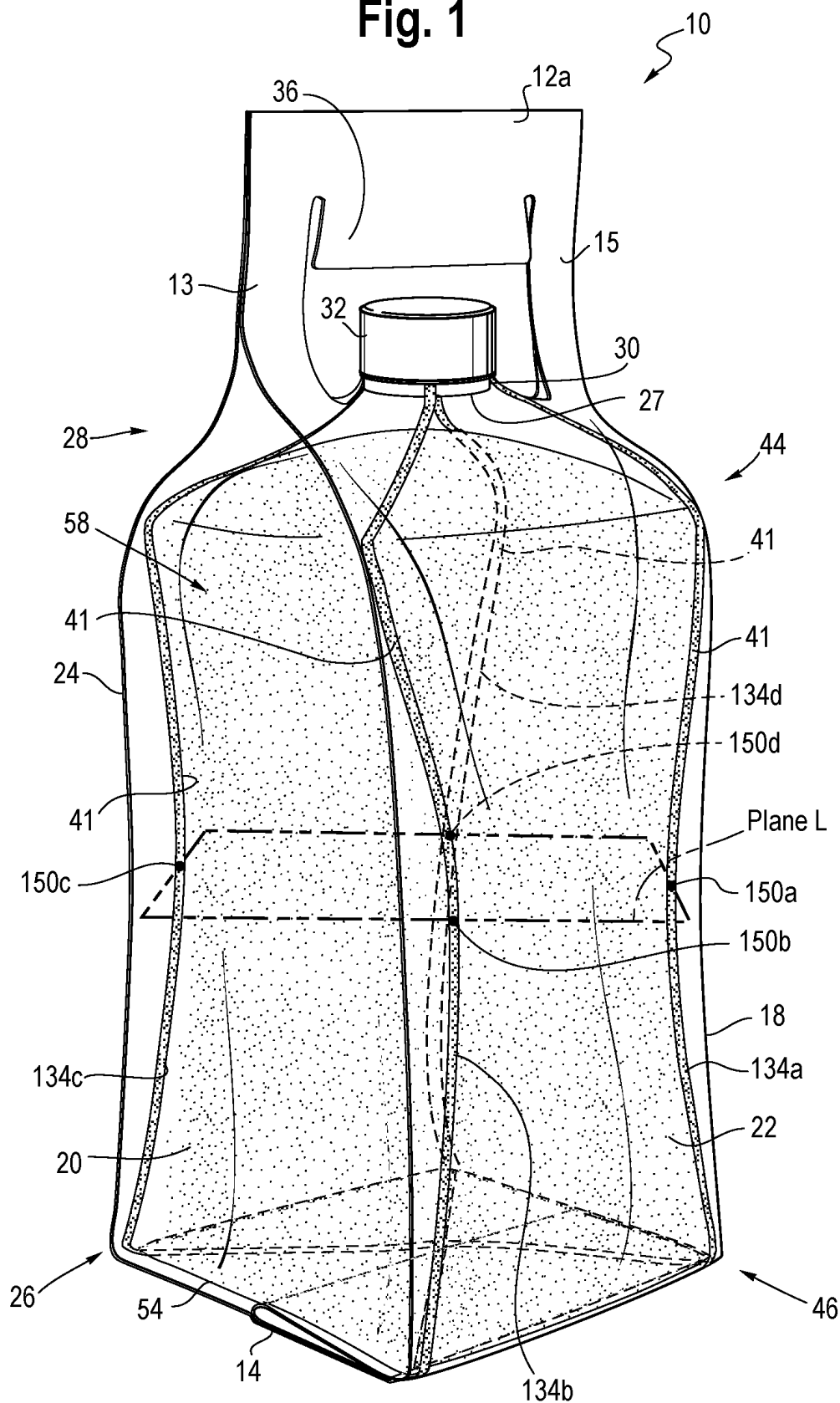
Family 15/100 - FAMPAT - ©Questel

Title

(WO2018200354)

Flexible container

Images

Fig. 1**Publication data including kind & date**

WO2018200354

A1 2018-11-01

WO2018200354

**Abstract**

(WO2018200354)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) a front panel, a

rear panel, a first gusseted side panel, and a second gusseted side panel. The gusseted side panels adjoin the front panel and the rear panel along peripheral seals to form a chamber. (B) Each peripheral seal has (i) an arcuate body seal inner edge (ABSIE) with opposing ends, (ii) a tapered seal inner edge (TSIE) extending from each end of the body seal. (C) The flexible container includes at least one ABSIE having a radius of curvature, R_c , from 1.0 mm to 300.0 mm.

Inventors

BLACK MARC

JESPERSEN SIMON

SCHUETTE CHAD

SIDDIQUI MUHAMMAD

LOWRY HALEY

DIGONNET FABRICE

WALTHER BRIAN

BONEKAMP JEFFREY

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

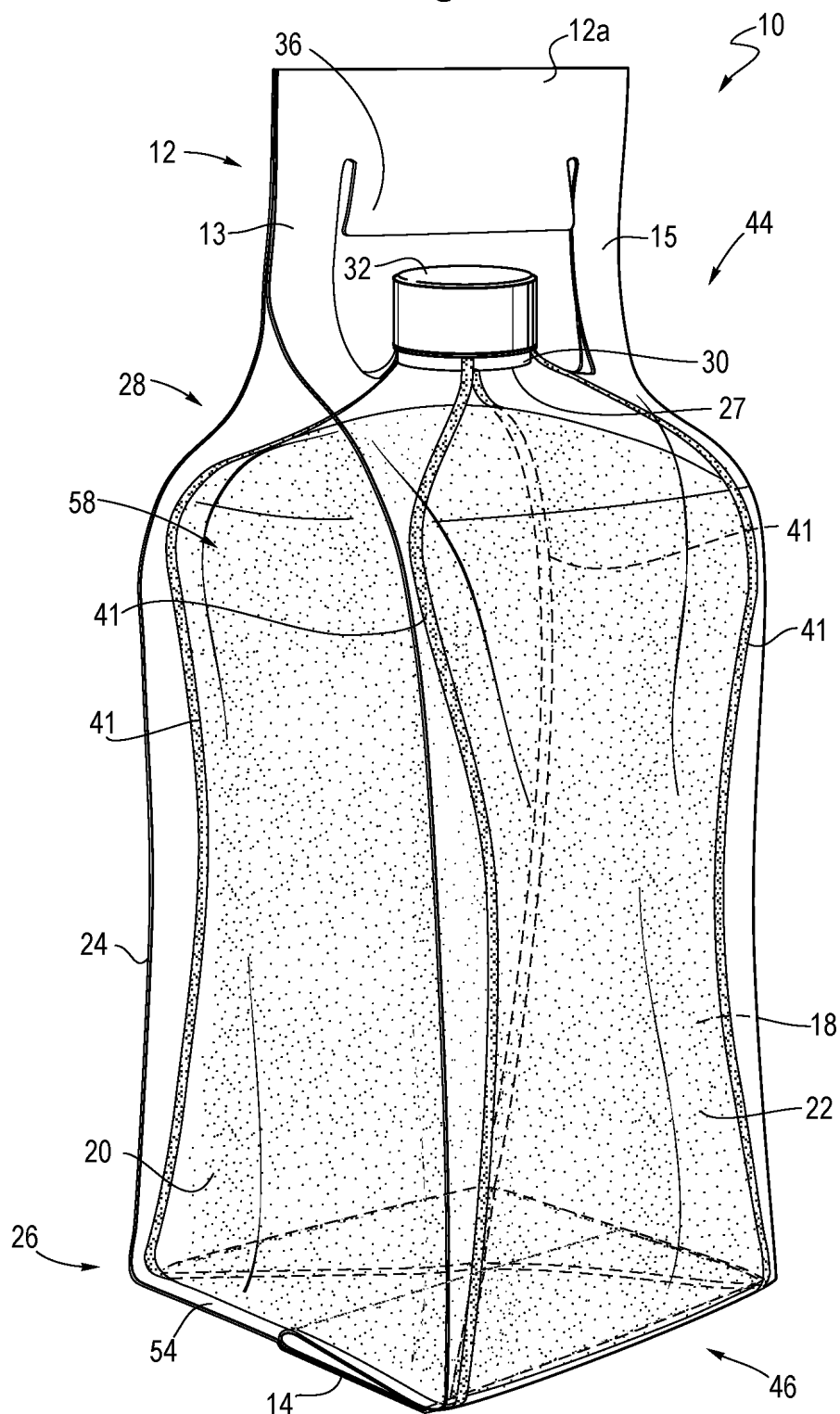
Family 16/100 - FAMPAT - ©Questel

Title

(WO2018200352)

Flexible container

Images

Fig. 1**Publication data including kind & date**[WO2018200352](#)

A1 2018-11-01

WO2018200352

**Abstract**

(WO2018200352)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) a front panel, a rear panel, a first gusseted side panel, and a second gusseted side panel. The gusseted side panels adjoin the front panel and the rear panel along peripheral seals to form a chamber. (B) Each peripheral seal has (i) an arcuate body seal inner

edge (ABSIE) with opposing ends, (ii) a tapered seal inner edge (TSIE) extending from each end of the body seal, and (iii) a corner arc where each tapered seal inner edge extends from a respective ABSIE end. (C) The flexible container includes at least one corner arc having a radius of curvature, R_c , from 1.0 mm to 300.0 mm.

Inventors

BLACK MARC S

JESPERSEN SIMON TAGE

SCHUETTE CHAD V

SIDDIQUI MUHAMMAD ALI

LOWRY HALEY A

DIGONNET FABRICE

WALTHER BRIAN W

BONEKAMP JEFFREY E

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

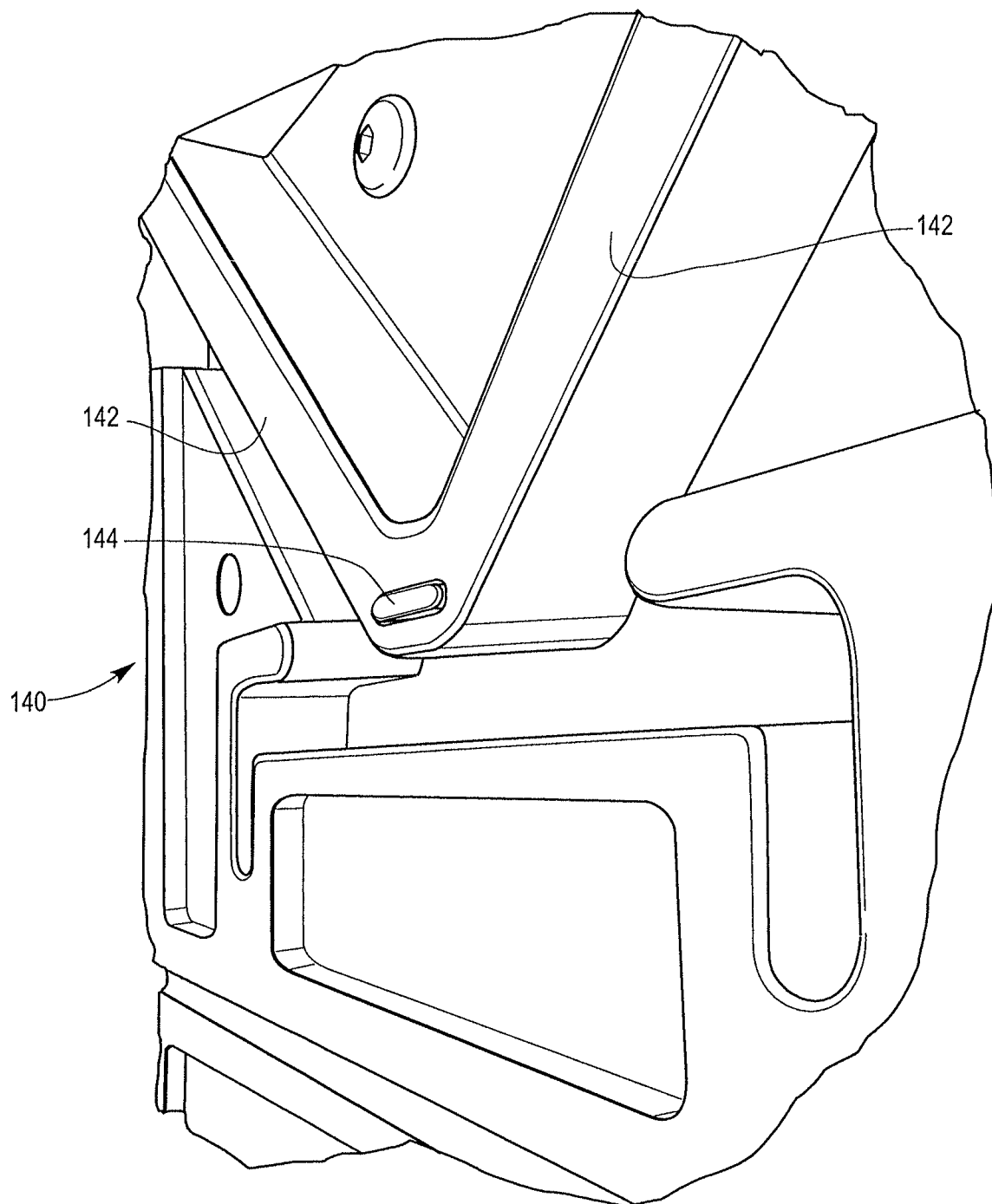
Family 17/100 - FAMPAT - ©Questel

Title

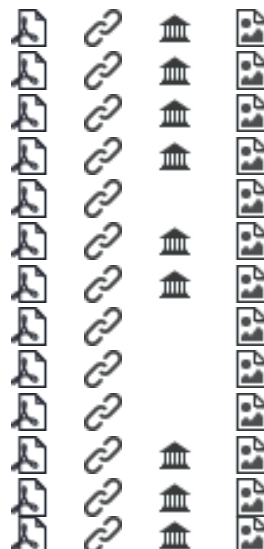
(EP3140219)

Process for producing a flexible container

Images


Publication data including kind & date

US20150314919	A1	2015-11-05	US20150314919
CA2947845	A1	2015-11-12	CA2947845
WO2015171171	A1	2015-11-12	WO2015171171
AU2014384850	A1	2015-11-19	AU2014384850
AR097355	A1	2016-03-09	AR--97355
BR112016025753	A1	2016-11-16	BR112016025753
KR20170002558	A	2017-01-06	KR20170002558
PH12016502188	A1	2017-01-16	PH12016502188
MX2016014426	A	2017-02-23	MX2016014426
VN51009	A	2017-02-27	VN--51009
IN201617039683	A	2017-03-10	IN201617039683
CN106507672	A	2017-03-15	CN106507672



EP3140219	A1	2017-03-15	EP3140219				
TH163283	A	2017-06-08	TH-163283				
JP2017514764	A	2017-06-08	JP2017514764				
CL2016002774	A1	2017-07-07	CL2774201600				
BR112016025753	A2	2017-08-15	BR112016025753				
CZ20160683	A3	2017-08-30	CZ201600683				
US10099817	B2	2018-10-16	US10099817				
EP3140219	B1	2018-11-14	EP3140219				
JP6450776	B2	2019-01-09	JP6450776				
RU2678635	C1	2019-01-30	RU2678635				
DK3140219	T3	2019-02-25	DK3140219T				

Abstract

(EP3140219)

A process for producing a flexible container is provided and includes: • A. providing a rear panel web (124), a front panel web (122), a first folded gusset panel web (118), and a second folded gusset panel web (120), each panel web having peripheral edges and a bottom face, each bottom face having two opposing tapered edges meeting at a bottom end; • B. placing the folded gusset panel webs between the rear panel web (124) and the front panel web (122), the gusset panel webs (118, 120) opposing each other, the panel webs configured to form a common periphery (110) and the bottom seal area (133) including the bottom end of each panel; • C. first sealing the peripheral edges, the tapered edges, and the bottom seal area (133) under a set of heat seal conditions; • D. second sealing a portion of the bottom seal area (133) under a second heat seal condition; and • E. forming a flexible container (10).

Inventors

WILKES KENNETH R

OLIVEIRA MARLOS G

FRANCA MARCOS P

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 18/100 - FAMPAT - ©Questel

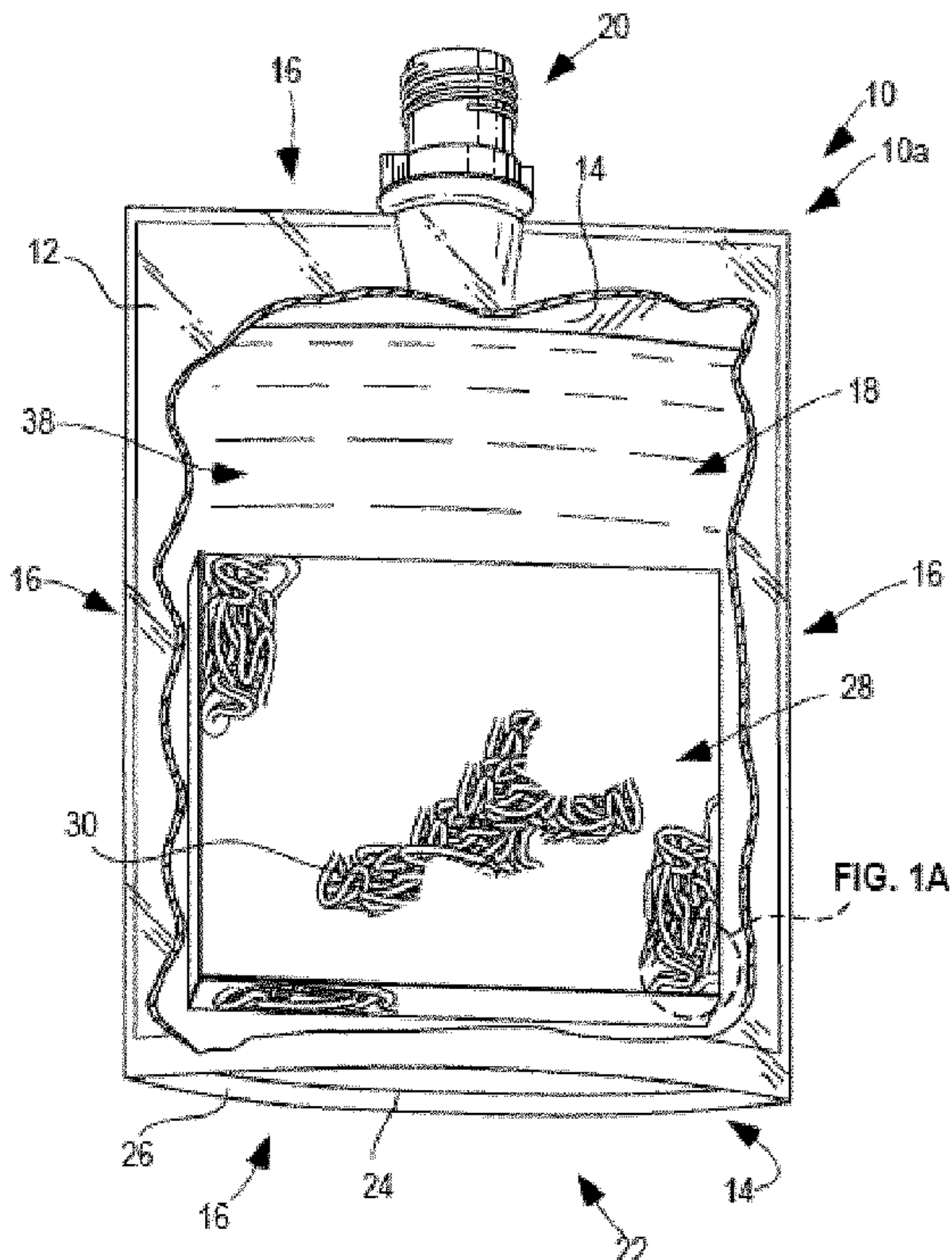
Title

(EP3409614)

Flexible container with three-dimensional random loop material

Images

FIG. 1



Publication data including kind & date

EP3409614

A1 2018-12-05

EP3409614

WO2018222518

A1 2018-12-06

WO2018222518

TW201902792

A 2019-01-16

TW201902792



Abstract

(EP3409614)

The present disclosure provides a flexible container (10). In an embodiment, the flexible container comprises a first multilayer film (12) and a second multilayer film (14). Each multilayer film comprises a seal layer. The multilayer films are arranged such that seal layers oppose each other and the second multilayer film is superimposed on the first multilayer

film. The films are sealed along a common peripheral edge (16) to form a closed chamber (18). In one embodiment, a free moving sheet (28) of three-dimensional random loop material (3DRLM) is located the closed chamber. In another embodiment, an oversized sheet (128) of 3DRLM is located in the closed chamber.

Inventors

NIETO JESÚS

ALVAREZ EDUARDO

SANTINI LUIS ALBERTO

SHAH VIRAJ K

Latest standardized assignees - inventors removed

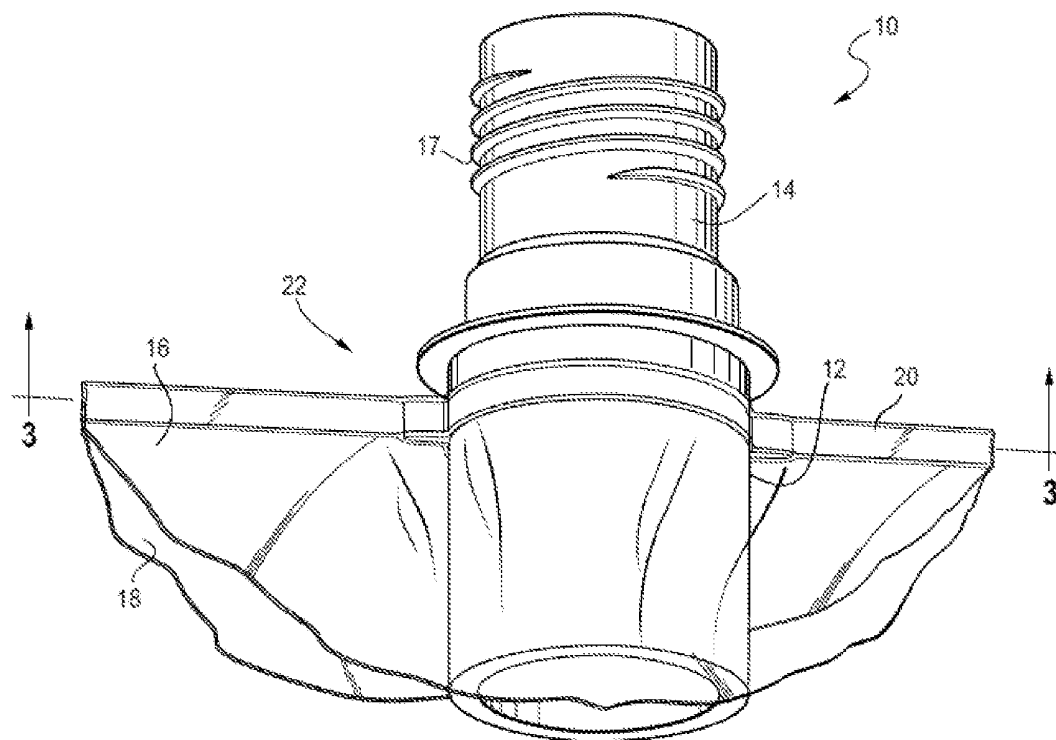
DOW GLOBAL TECHNOLOGIES

Family 19/100 - FAMPAT - ©Questel

Title

(WO201858047)

Flexible fitment for flexible container

Images**Publication data including kind & date**

US20180086527	A1	2018-03-29	US20180086527
WO2018058047	A1	2018-03-29	WO201858047
TW201819259	A	2018-06-01	TW201819259
AR109542	A1	2018-12-19	AR-109542
US10173821	B2	2019-01-08	US10173821

**Abstract**

(WO201858047)

The present disclosure provides a flexible container. In an embodiment, the flexible container (8) includes a first multilayer film (16) and a second multilayer film (18). Each multilayer film comprises a seal layer. The multilayer films are arranged

such that the seal layers oppose each other and the second multilayer film (18) is superimposed on the first multilayer film (16). The multilayer films are sealed along a common peripheral edge (20). The flexible container (8) includes a fitment (10). The fitment (10) comprises a base (12). The base (12) comprises a polymeric blend of from 60 wt% to 90 wt% ethylene/ α -olefin multi-block copolymer and from 40 wt% to 10 wt% high density polyethylene (HDPE). The flexible container (8) includes a fitment seal (22) comprising the base (12) located between the multilayer films. The base (12) is sealed to each multilayer film at a portion of the common peripheral edge (20).

Inventors

MA LIANGKAI

CRABTREE SAM L

GOMES JORGE CAMINERO

MIRGON MARK H

BLACK MARC S

LABONVILLA MARK O

TURPIN MATTHEW J

HEATH MATTHEW J

SAYLOR CORY M

VANSUMEREN LEIGH ANNE

MAZZOLA NICOLAS CARDOSO

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

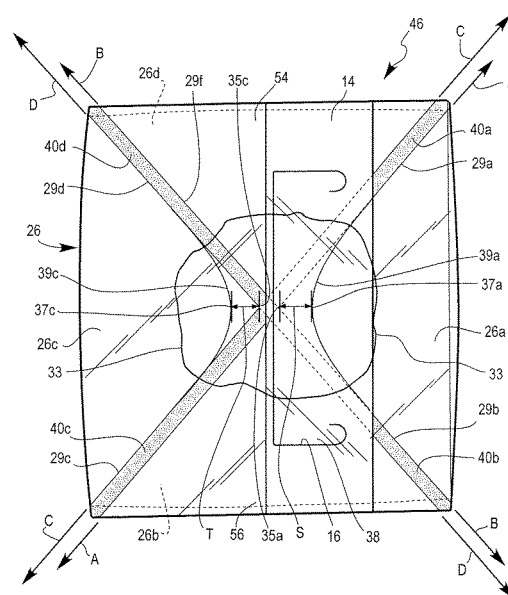
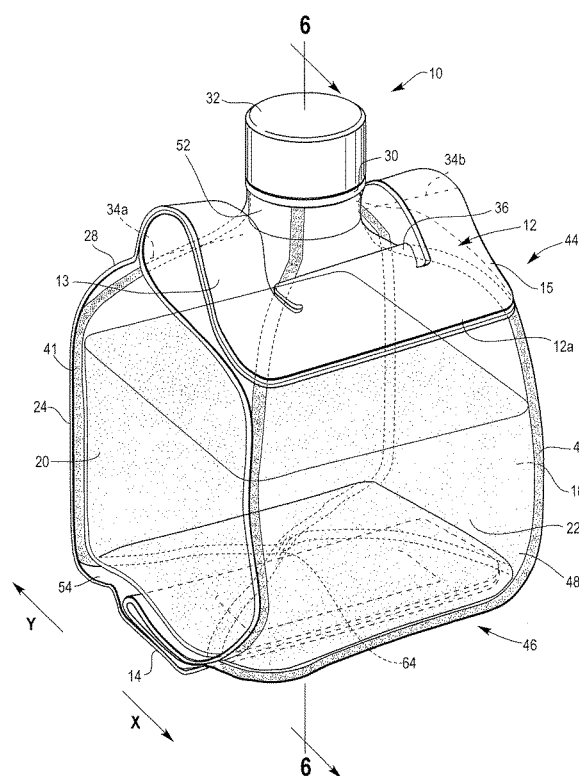
Family 20/100 - FAMPAT - ©Questel

Title

(EP3140218)

Flexible container

Images



Publication data including kind & date

US20150314928	A1	2015-11-05	US20150314928
CA2947585	A1	2015-11-12	CA2947585
WO2015171172	A1	2015-11-12	WO2015171172



AR097354	A1	2016-03-09	AR--97354				
BR112016025611	A1	2016-11-16	BR112016025611				
AU2014393431	A1	2016-12-01	AU2014393431				
PH12016502187	A1	2017-01-16	PH12016502187				
KR20170005831	A	2017-01-16	KR20170005831				
CN106458407	A	2017-02-22	CN106458407				
MX2016014425	A	2017-02-23	MX2016014425				
VN51018	A	2017-02-27	VN--51018				
IN201617039682	A	2017-03-10	IN201617039682				
JP2017514763	A	2017-06-08	JP2017514763				
CL2016002773	A1	2017-07-07	CL2773201600				
BR112016025611	A2	2017-08-15	BR112016025611				
TH166414	A	2017-08-24	TH-166414				
EP3140218	A1	2017-12-20	EP3140218				
CZ2016749	A3	2018-01-31	CZ49201607				
US9908668	B2	2018-03-06	US9908668				
RU2016147501	A	2018-06-06	RU2016147501				
RU2016147501	A3	2018-06-06	RU2016147501				
RU2673856	C2	2018-11-30	RU2673856				
JP6454732	B2	2019-01-16	JP6454732				

Abstract

(EP3140218)

The present disclosure provides a flexible container (10) having four panels-a front panel (22), a rear panel (24), and opposing gusseted side panels (18, 20).The front panel bottom face (26a) includes a first line (A) defined by the inner edge (29a) of a first peripheral tapered seal (40a) and a second line (B) defined by the inner edge (29a) of a second peripheral tapered seal (40b).The first line (A) intersects the second line (B) at an apex point (35a) in a bottom seal area (33).The front panel bottom face (26a) has a bottom distalmost inner seal point (37a) on the inner edge and the apex point (35a) is separated from the bottom distalmost inner seal point (37a) by a distance (S) from Omm to less than 8.0mm.

Inventors

WILKES KENNETH R

OLIVEIRA MARLOS G

FRANCA MARCOS P

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

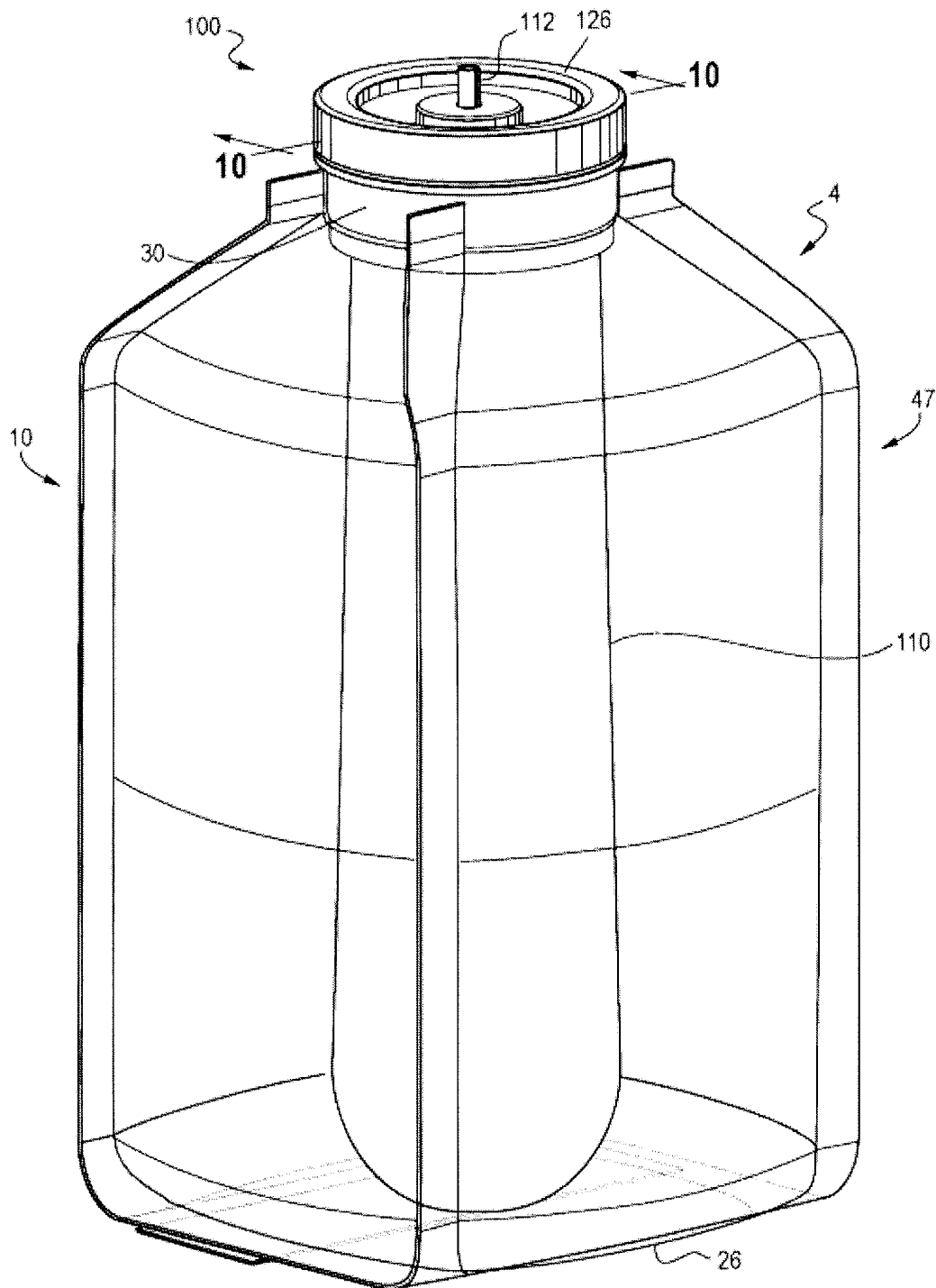
Family 21/100 - FAMPAT - ©Questel

Title

(EP3283395)

Flexible container with a spray valve

Images



Publication data including kind & date

US20160304254	A1	2016-10-20	US20160304254
WO2016168278	A1	2016-10-20	WO2016168278
WO2016168270	A1	2016-10-20	WO2016168270
US9573737	B2	2017-02-21	US9573737
AR104240	A1	2017-07-05	AR-104240
BR112017021272	A1	2017-10-10	BR112017021272
AR105879	A1	2017-11-22	AR-105879
CN107438570	A	2017-12-05	CN107438570



CN107438569	A	2017-12-05	CN107438569				
MX2017012899	A	2018-01-15	MX2017012899				
MX2017012975	A	2018-02-01	MX2017012975				
EP3283395	A1	2018-02-21	EP3283395				
EP3283394	A1	2018-02-21	EP3283394				
US20180086545	A1	2018-03-29	US20180086545				
BR112017021434	A1	2018-04-10	BR112017021434				
JP2018513066	A	2018-05-24	JP2018513066				
BR112017021272	A2	2018-06-26	BR112017021272				
JP2018516812	A	2018-06-28	JP2018516812				
BR112017021434	A2	2018-07-03	BR112017021434				

Abstract

(EP3283395)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) four panels, each panel formed from a flexible multilayer film. The flexible multilayer film is composed of one or more polymeric materials. The four panels form (i) a body, and (ii) a neck. The flexible container includes (B) a fitment. The fitment includes a top portion and a base. The base is composed of a polymeric material. The base is sealed in the neck. The flexible container includes (C) a sleeve and bag-on-valve assembly, or SBoV. The SBoV includes a valve seat, a bladder, and an elastic sleeve. (D) The bladder and the elastic sleeve are inserted through the fitment and are located in the body. (E) The valve seat is attached to the fitment.

Inventors

GASTON RYAN S

TIWARI RASHI

SERRAT CRISTINA

BONEKAMP JEFFREY E

TURPIN MATTHEW J

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 22/100 - FAMPAT - ©Questel

Title

(EP3271135)

Process for sealing flexible fitment to flexible film

Images

CHURCH KEVIN L

ZAWISZA JEFFREY D

CRABTREE SAM L

KAUFFMANN KEITH L

SCHULZ PETER J

KOHN JOHN F

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

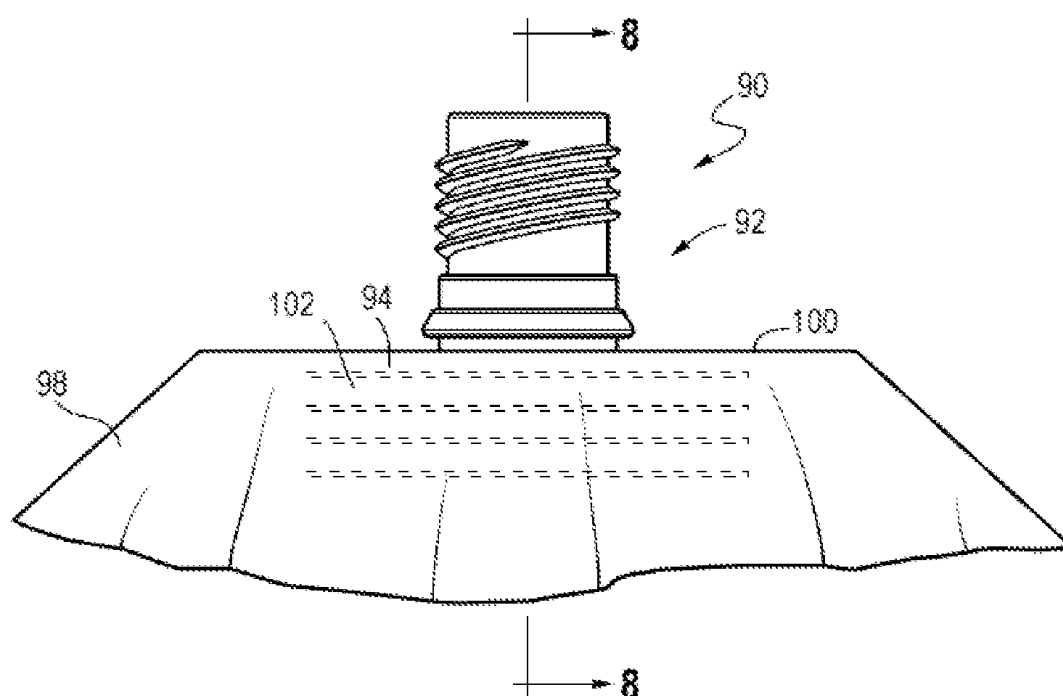
Family 24/100 - FAMPAT - ©Questel

Title

(EP3356248)

Fitment with ethylene/ -olefin multi-block copolymer

Images



Publication data including kind & date

CA3000224	A1	2017-04-06	CA3000224				
WO2017058634	A1	2017-04-06	WO201758634				
TW201713575	A	2017-04-16	TW201713575				
AR106109	A1	2017-12-13	AR-106109				
BR112018004574	A1	2018-04-03	BR112018004574				
CN108025834	A	2018-05-11	CN108025834				
MX2018003126	A	2018-06-06	MX2018003126				
CO2018003789	A2	2018-07-10	CO2018003789				
IN201817012839	A	2018-07-20	IN201817012839				
EP3356248	A1	2018-08-08	EP3356248				
CL2018000680	A1	2018-08-17	CL0680201800				
BR112018004574	A2	2018-09-25	BR112018004574				
US20180273268	A1	2018-09-27	US20180273268				
JP2018536591	A	2018-12-13	JP2018536591				

Abstract

(EP3356248)

The present disclosure provides a fitment. In an embodiment, a fitment is provided and includes a top portion, a base, and a channel extending through the top portion and the base for passage of a flowable material. The base includes a pair of opposing sidewalls. The sidewalls extend around the channel. The sidewalls are joined together at opposing ends. The fitment further includes at least one sealing rib extending along the sidewalls. The sealing rib includes an ethylene/ α -olefin multi-block copolymer.

Inventors

FRANCA MARCOS P

PEREIRA BRUNO R

SCHULZ PETER J

KALEYTA SCOTT R

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

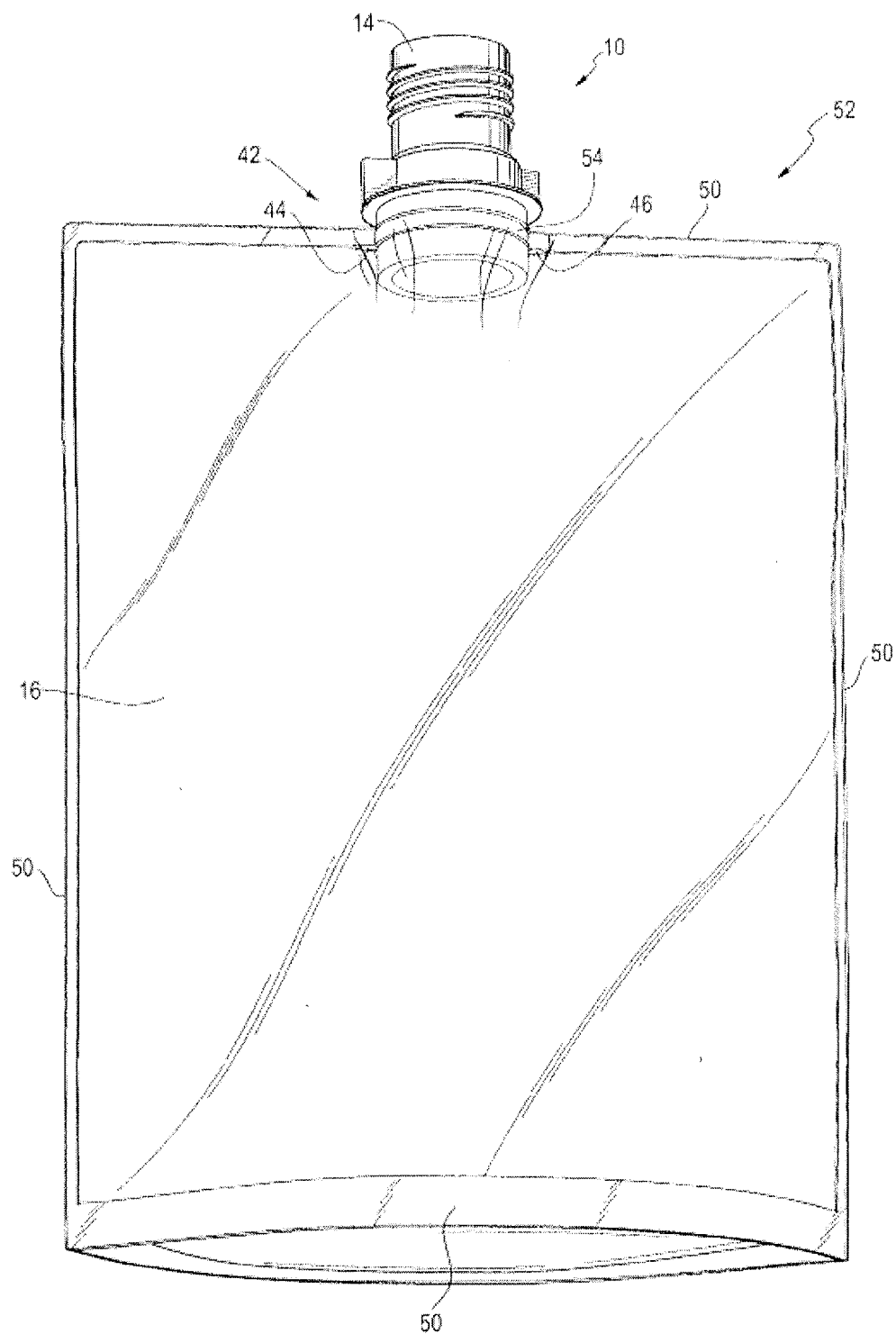
Family 25/100 - FAMPAT - ©Questel

Title

(EP3368273)

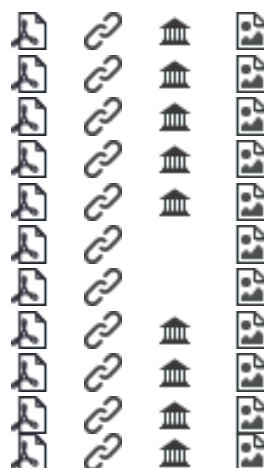
Process for sealing flexible fitment to flexible film

Images



Publication data including kind & date

US20170120552	A1	2017-05-04	US20170120552
WO2017/075022	A1	2017-05-04	WO201775022
BR112017022454	A1	2017-10-31	BR112017022454
TW201738069	A	2017-11-01	TW201738069
IN201717036493	A	2017-12-15	IN201717036493
AR106413	A1	2018-01-10	AR-106413
CO2017010649	A2	2018-01-16	CO2017010649
CN107787272	A	2018-03-09	CN107787272
BR112017022454	A2	2018-07-17	BR112017022454
EP3368273	A1	2018-09-05	EP3368273



[JP2018533496](#)

A 2018-11-15 JP2018533496

Abstract

(EP3368273)

The present disclosure provides a process. In an embodiment, the process includes (A) providing a fitment with a base having a wall thickness (T_w). The base comprises an ethylene/a olefin multi-block copolymer. The process includes (B) placing the base between two opposing multilayer films. Each multilayer film has a respective seal layer comprising an olefin-based polymer. The process includes (C) positioning the base and opposing multilayer films between opposing seal bars. Each seal bar comprises (i) a front surface, (ii) a recessed surface a distance (x) behind the front surface, the recessed surface having a first end and an opposing second end. Each seal bar comprises (iii) a curved surface at each opposing end. The curved surface extends between the front surface and the recessed surface. Each curved surface has a radius of curvature (R_c) greater than or equal to distance (x). The process includes (D) heat sealing the base to each multilayer film.

Inventors

FRANCA MARCOS PINI

PEREIRA BRUNO RUFATO

GERSTNER RAIMUND

MA LIANGKAI

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

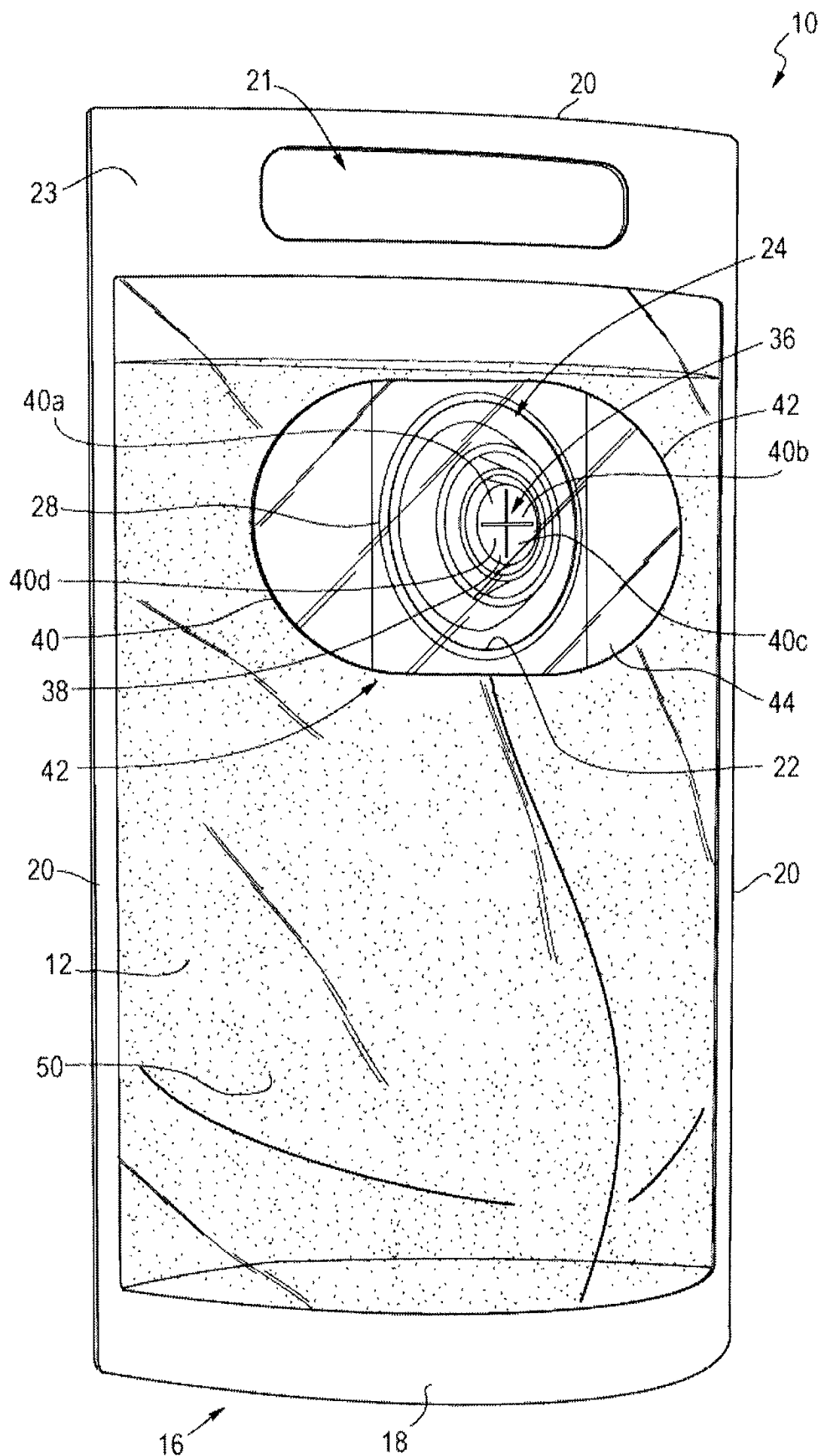
Family 26/100 - FAMPAT - ©Questel

Title

(EP3356253)

Flexible container with extendable spout

Images



US20170088328	A1	2017-03-30	US20170088328				
TW201711930	A	2017-04-01	TW201711930				
CA3000222	A1	2017-04-06	CA3000222				
WO2017058630	A1	2017-04-06	WO201758630				
US9701456	B2	2017-07-11	US9701456				
AR106107	A1	2017-12-13	AR-106107				
BR112018004613	A1	2018-04-03	BR112018004613				
MX2018003068	A	2018-05-07	MX2018003068				
CN108025849	A	2018-05-11	CN108025849				
KR20180063129	A	2018-06-11	KR20180063129				
IN201817012841	A	2018-07-20	IN201817012841				
CO2018003769	A2	2018-07-31	CO2018003769				
EP3356253	A1	2018-08-08	EP3356253				
BR112018004613	A2	2018-09-25	BR112018004613				
JP2018530482	A	2018-10-18	JP2018530482				

Abstract

(EP3356253)

The present disclosure provides a flexible container. In an embodiment, a flexible container is provided and includes a first multilayer film and a second multilayer film. Each multilayer film has an inner seal layer. The multilayer films are arranged such that the seal layers oppose each other and the second multilayer film is superimposed on the first multilayer film. The multilayer films are sealed along a common peripheral edge. An orifice is present in one of the multilayer films. The flexible container includes an extendable spout extending through the orifice. The extendable spout has a flange sealed to the inner seal layer of the multilayer film at the orifice. The extendable spout is composed of, or is otherwise formed from, an ethylene/ α -olefin multi-block copolymer.

Inventors

FRANCA MARCOS

PEREIRA BRUNO RUFATO

MA LIANGKAI

CRABTREE SAM L

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 27/100 - FAMPAT - ©Questel

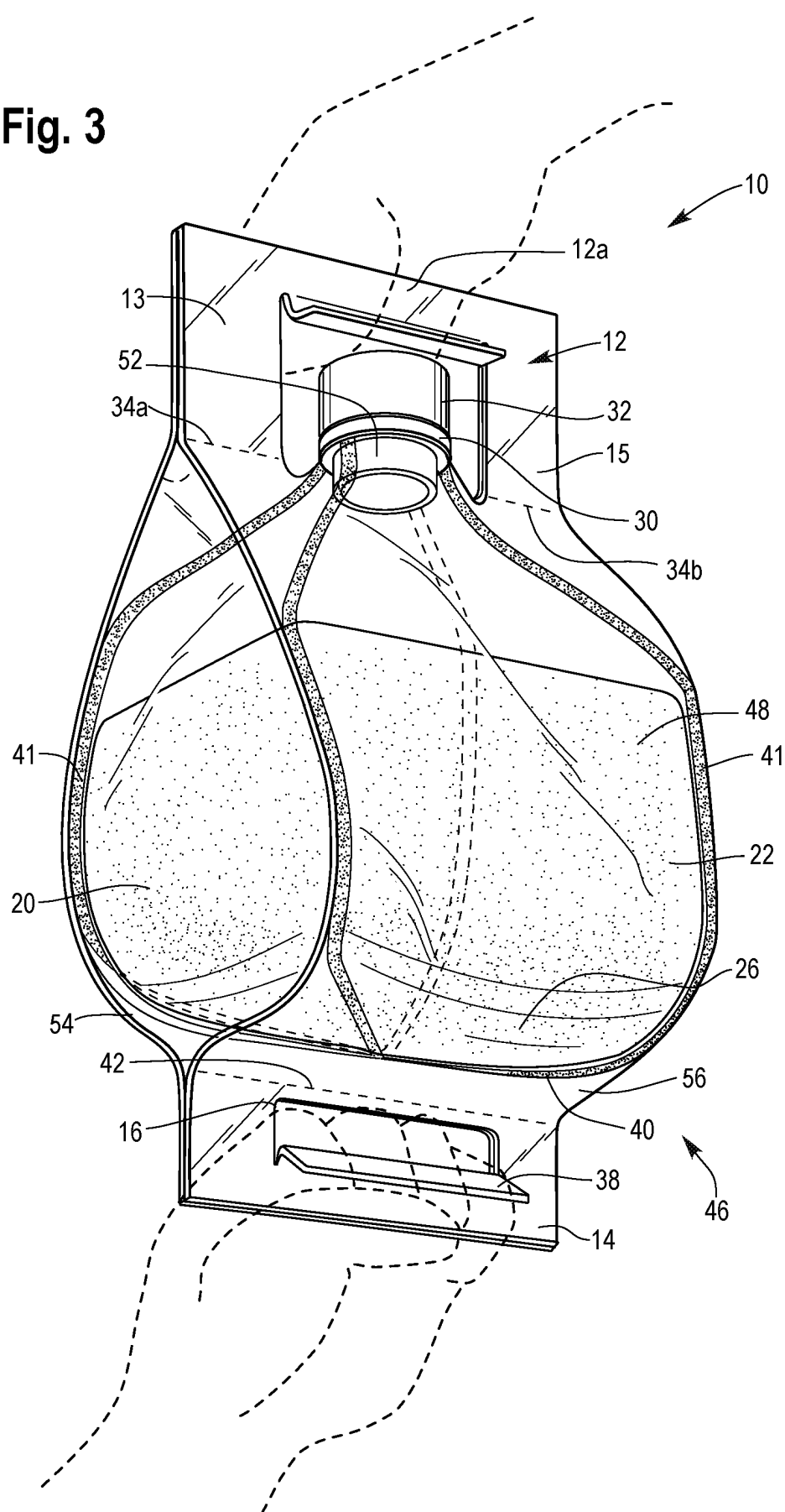
Title

(WO201805116)

Flexible container

Images

Fig. 3



Publication data including kind & date

WO2018005116

A1 2018-01-04

WO201805116

AR108799

A1 2018-09-26

AR-108799



BR112018075963	A1	2018-12-26	BR112018075963				
CN109311578	A	2019-02-05	CN109311578				
CO2019000744	A2	2019-02-08	CO2019000744				
KR10-2019-0020095	A	2019-02-27	KR20190020095				

Abstract

(WO201805116)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) a front panel, a rear panel, a first gusseted side panel, and a second gusseted side panel. The gusseted side panels adjoin the front panel and the rear panel along peripheral seals to form a chamber. The flexible container includes (B) each peripheral seal having (i) a body seal inner edge (BSIE) with opposing ends, (ii) a tapered seal inner edge (TSIE) extending from each end of the body seal, and (iii) an inner arc where each tapered seal inner edge extends from a respective BSIE end. The flexible container includes (C) at least one inner arc having a radius of curvature, R_c , from greater than 3.18 mm to 7.95 mm.

Inventors

TIWARI RASHI

CHOPIN III LAMY J

SIDDIQUI MUHAMMAD ALI

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

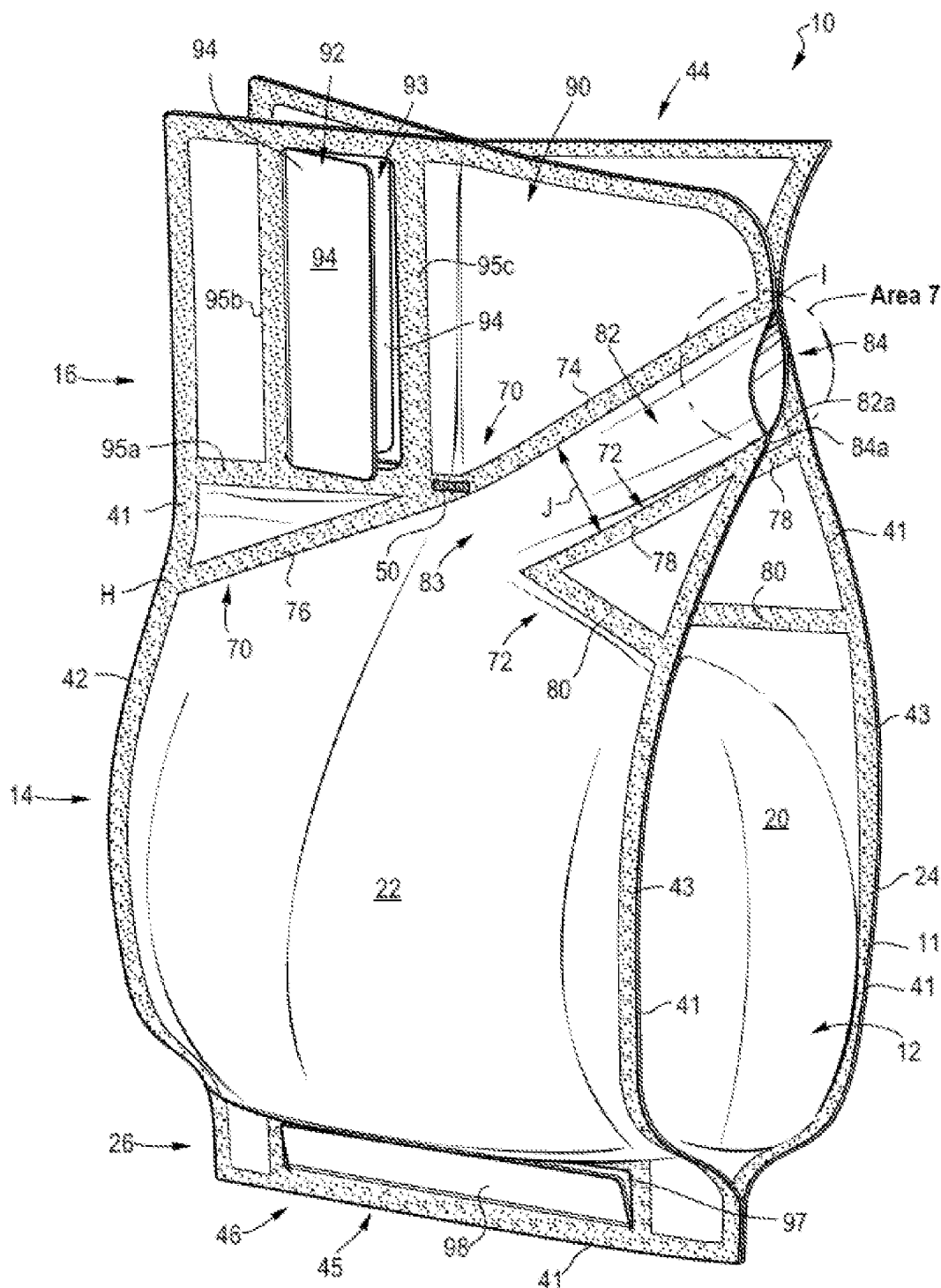
Family 28/100 - FAMPAT - ©Questel

Title

(WO201844756)

Flexible container with spout

Images



Publication data including kind & date

US20180057225	A1	2018-03-01	US20180057225
WO2018044756	A1	2018-03-08	WO201844756
US10106301	B2	2018-10-23	US10106301
AR109396	A1	2018-11-28	AR-109396



Abstract

(WO201844756)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes (A) four panels adjoined along a common peripheral seal. The common peripheral seal is composed of a first side seal, an opposing second side seal, a top seal, and an opposing bottom seal. The four seals form a chamber. (B) Each panel includes a bottom face, and the four bottom faces are sealed together to define a bottom section. The flexible container includes (C) an upper spout seal extending from the first side seal to the second side seal. The flexible container also includes (D) a lower

spout seal. (E) The upper spout seal and the lower spout seal each include a respective spout seal segment and a respective chamber seal segment. (F) The chamber seal segments define a sealed chamber top. (G) The lower spout seal segment is reciprocally aligned with the upper spout seal segment to form a spout. The spout extends from the sealed chamber top to the second side seal.

Inventors

SCHULZ PETER J

CHOPIN LAMY J III

BOVEN MICHELLE L

BONEKAMP JEFFREY E

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

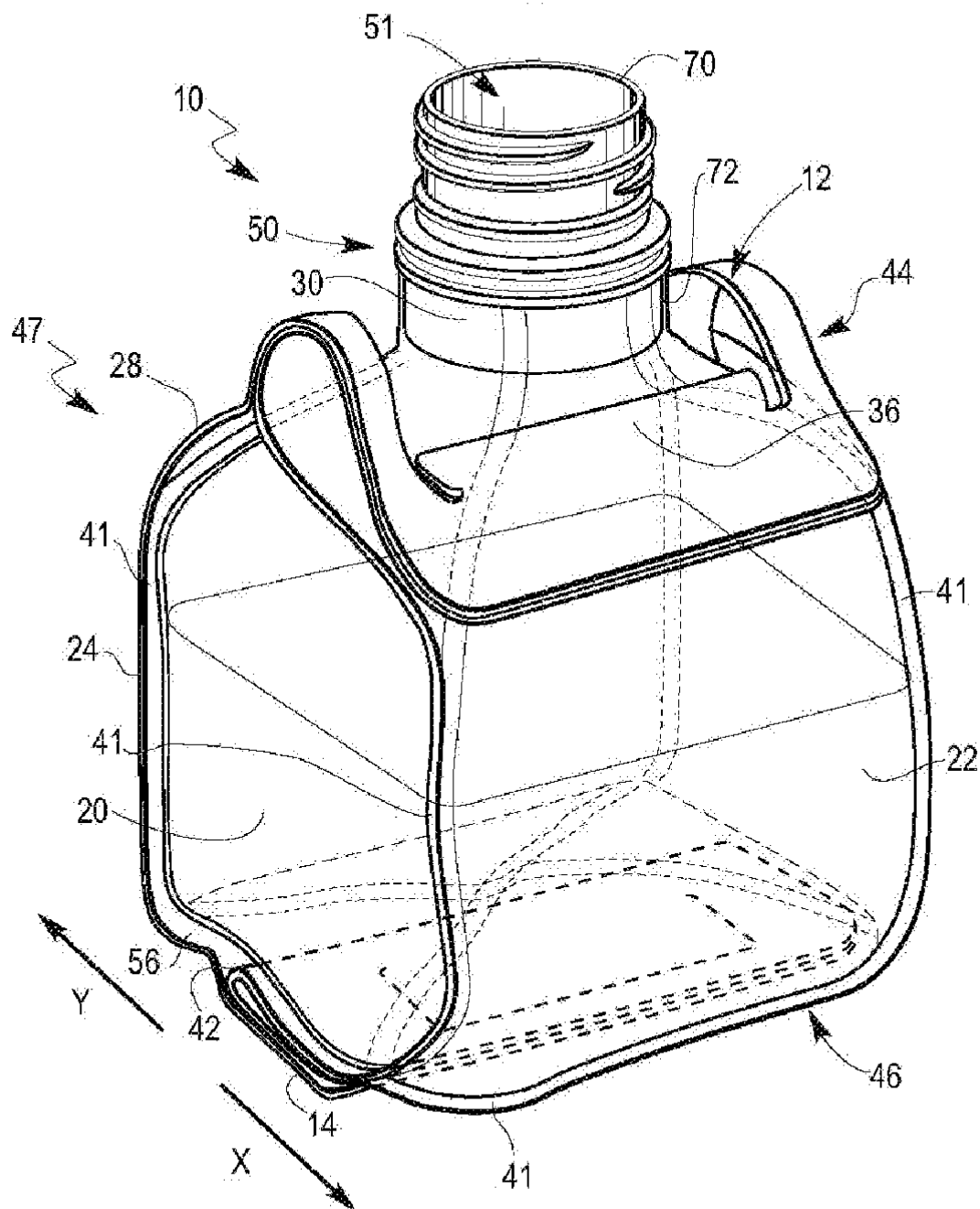
Family 29/100 - FAMPAT - ©Questel

Title

(WO2016164388)

Processing for producing flexible container with fitment using expandable mandrel

Images



Publication data including kind & date

WO2016164388	A1	2016-10-13	WO2016164388
TW201636275	A	2016-10-16	TW201636275
AR104191	A1	2017-07-05	AR-104191
US20180071991	A1	2018-03-15	US20180071991



Abstract

(WO2016164388)

The present disclosure provides a process for producing a flexible container. In an embodiment, the process includes (A) providing a flexible container. The flexible container has (i) a body, and (ii) a neck. The process includes (B) positioning a fitment into the neck. The fitment has a top portion and a base. The fitment is composed of a polymeric material. The process includes (C) inserting a mandrel into the fitment. The mandrel includes an expandable collar composed of an elastomeric

material. The process includes (D) expanding the collar radially outward to contact an inner surface of the base. The process includes (E) sealing, with a pair of opposing seal bars, the base to the neck.

Inventors

WILKES KENNETH R

GASTON RYAN S

Latest standardized assignees - inventors removed

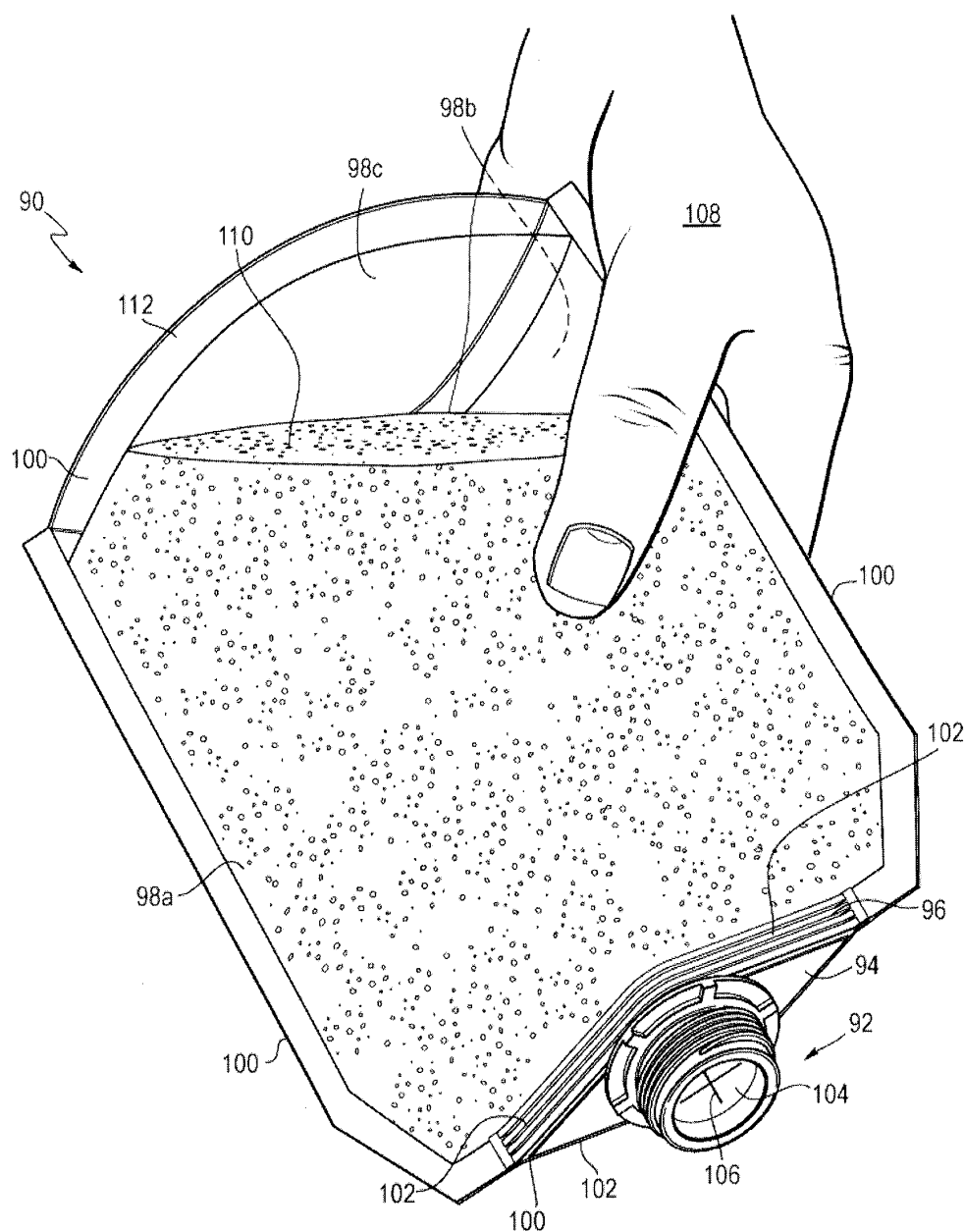
DOW GLOBAL TECHNOLOGIES

Family 30/100 - FAMPAT - ©Questel

Title

(EP3356247)

Fitment with valve and ethylene/ -olefin multi-block copolymer

Images

CA3000221	A1	2017-04-06	CA3000221				
WO2017058613	A1	2017-04-06	WO201758613				
TW201731895	A	2017-09-16	TW201731895				
AR106106	A1	2017-12-13	AR-106106				
BR112018004996	A1	2018-04-03	BR112018004996				
CN108025835	A	2018-05-11	CN108025835				
MX2018003409	A	2018-06-06	MX2018003409				
CO2018003804	A2	2018-07-10	CO2018003804				
IN201817012840	A	2018-07-20	IN201817012840				
EP3356247	A1	2018-08-08	EP3356247				
CL2018000725	A1	2018-08-17	CL0725201800				
US10071837	B2	2018-09-11	US10071837				
BR112018004996	A2	2018-10-02	BR112018004996				
JP2018529589	A	2018-10-11	JP2018529589				

Abstract

(EP3356247)

The present disclosure provides a fitment. In an embodiment, a fitment is provided and includes a top portion, a base, and a channel extending through the top portion and the base for passage of a flowable material. The fitment includes a flexible valve extending across the channel. The flexible valve includes a slit which opens to permit flow therethrough. The flexible valve includes an ethylene/a-olefin multi-block copolymer.

Inventors

FRANCA MARCOS P

PEREIRA BRUNO R

Latest standardized assignees - inventors removed

DOW BRASIL INDUSTRIA E COMERCIO DE PRODUCTOS QUIMICOS

DOW GLOBAL TECHNOLOGIES

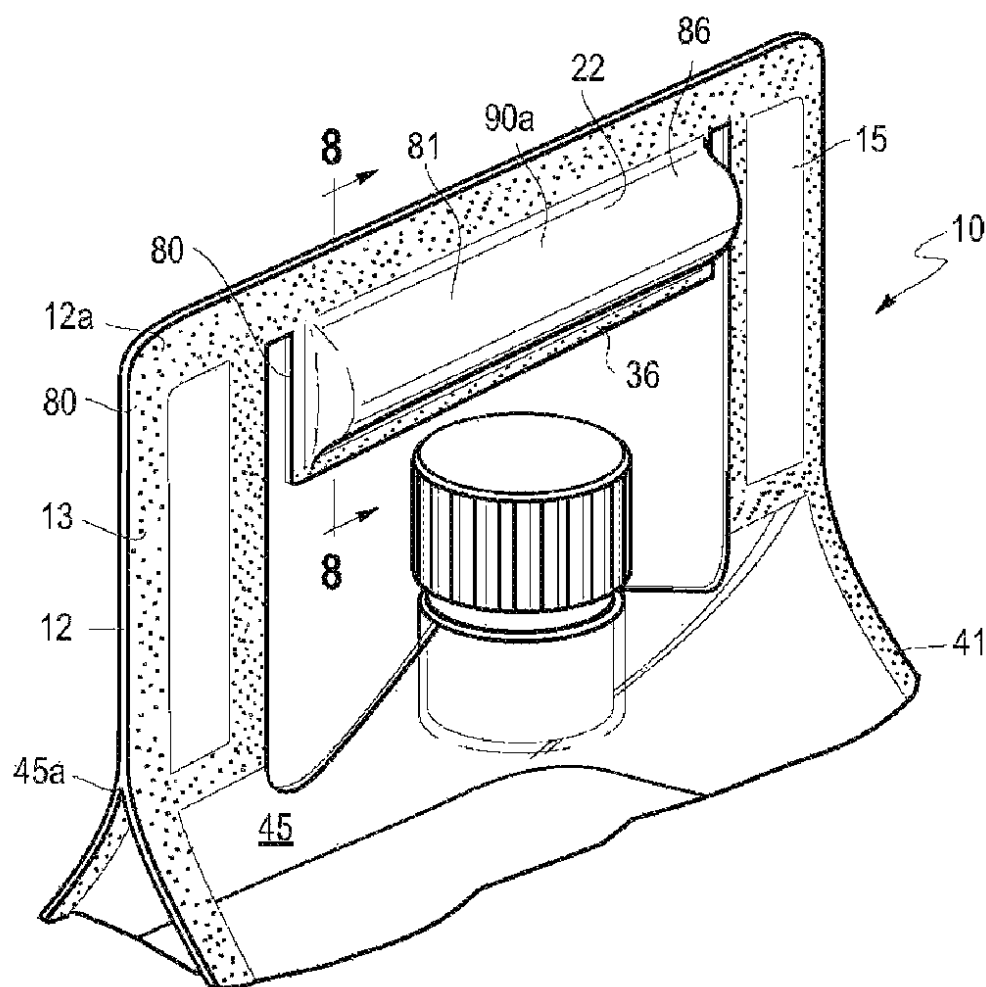
Family 31/100 - FAMPAT - ©Questel

Title

(US20180002090)

Flexible Container with Comfort Grip

Images

**Publication data including kind & date**[US9856063](#)

B1 2018-01-02

US9856063

[US20180002090](#)

A1 2018-01-04

US20180002090

**Abstract**

(US20180002090)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes a front panel, a rear panel, a first gusseted side panel, and a second gusseted side panel, the gusseted side panels adjoining the front panel and the rear panel along (i) peripheral seals to form a chamber; and (ii) handle seals to form a handle, the handle located at an end of the chamber and including a pocket formed from the handle seals. The pocket contains a grip member.

Inventors

SCHULZ PETER J

CHOPIN III LAMY J

BOVEN MICHELLE L

BONEKAMP JEFFREY E

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

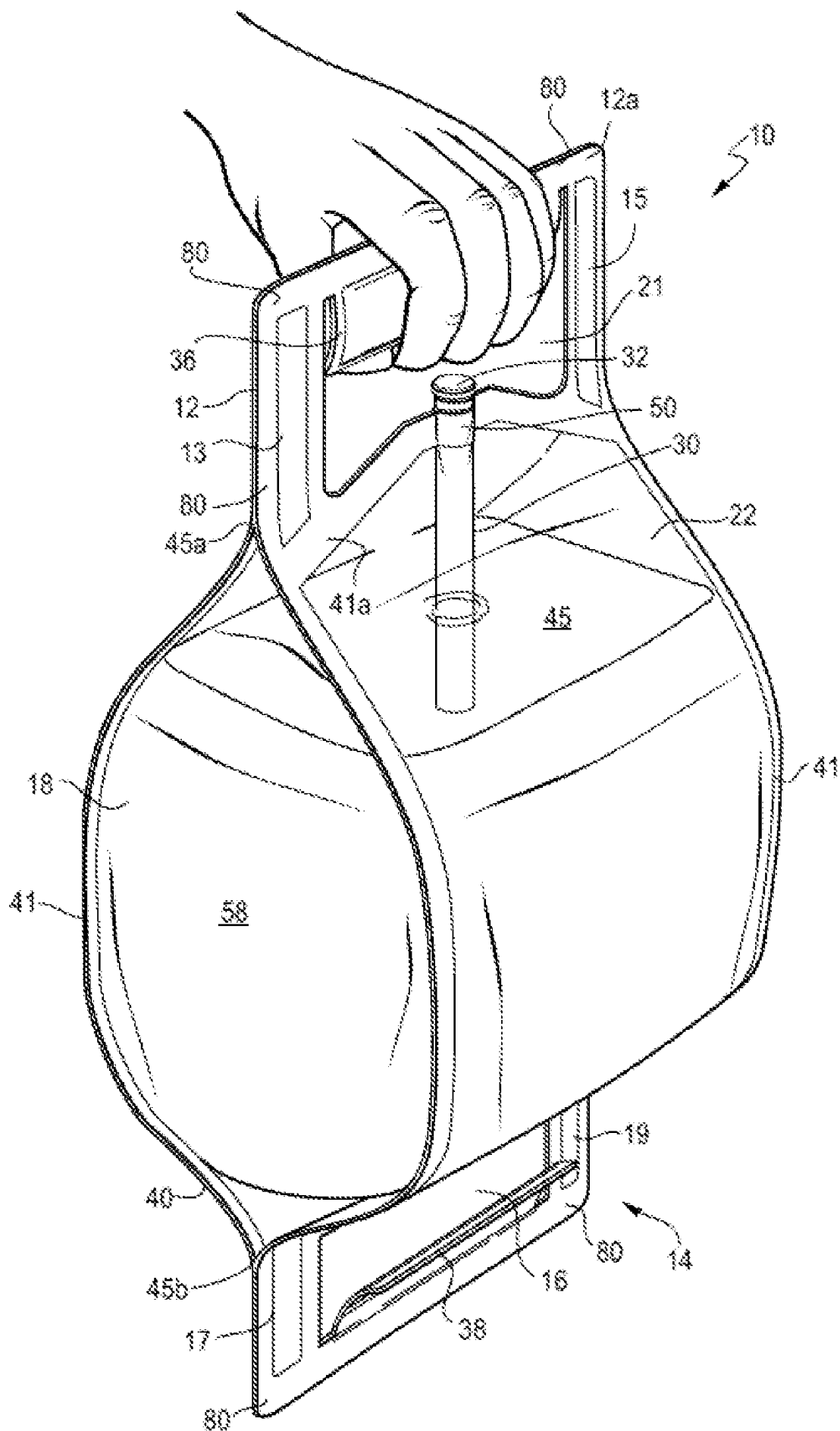
Family 32/100 - FAMPAT - ©Questel

Title

(WO201864113)

Flexible container with tube member

Images



Publication data including kind & date

US20180086526

A1 2018-03-29

US20180086526

WO2018064113

A1 2018-04-05

WO201864113



[AR109547](#)

A1 2018-12-19 AR-109547

Abstract

(WO201864113)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes a front panel, a rear panel, a first gusset side panel, and a second gusset side panel. The gusset side panels adjoin the front panel and the rear panel along (i) peripheral seals to form a chamber, and (ii) handle seals to form a handle, the handle located at an end of the chamber. The flexible container includes a tube member sealed to the flexible container. The tube member is in fluid communication with the chamber. The tube member comprises an ethylene/ α -olefin multi-block copolymer.

Inventors

SCHULS PETER J

CHOPIN III LAMY J

BOVEN MICHAEL L

BONEKAMP JEFFREY E

Latest standardized assignees - inventors removed

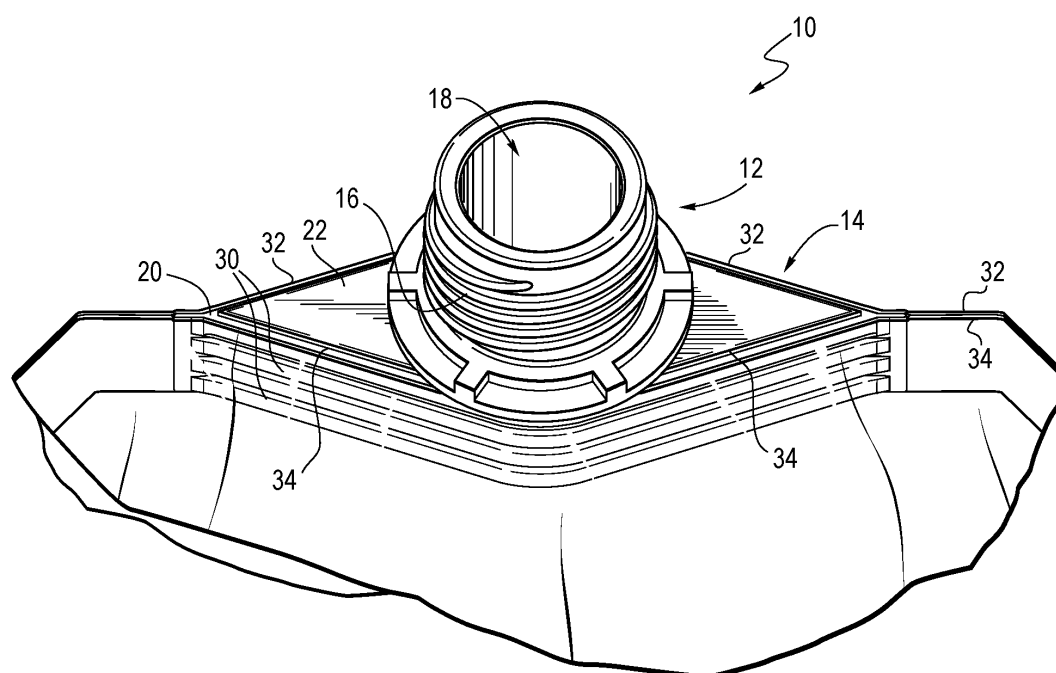
DOW GLOBAL TECHNOLOGIES

Family 33/100 - FAMPAT - ©Questel

Title

(WO201864027)

Fitment with propylene-based blend component and flexible container with same

Images**Fig. 3****Publication data including kind & date**[WO2018/064027](#) A1 2018-04-05 WO201864027[AR109703](#) A1 2019-01-16 AR-109703[BR112019004369](#) A1 2019-03-12 BR112019004369**Abstract**

(WO201864027)

The present disclosure provides a fitment. In an embodiment, the fitment includes a top portion, a base, and a channel

extending through the top portion and the base for passage of a flowable material. The fitment is composed of a polymeric composition. The polymeric composition comprises: (i) from 60 weight % to 90 weight % of a propylene-based polymer having a density of 0.900 g/cc and a melt flow rate greater than 10.0 g/10 min; and (ii) from 40 weight % to 10 weight % of a propylene-based plastomer or elastomer ("PBPE") having a density less than 0.900 g/cc, and a melt flow rate (MFR) from 5 g/10 min to 30 g/10 min. The present disclosure also provides a process for sealing multilayer films to the base of the fitment and the resultant flexible container formed from the process.

Inventors

HANSEN SYDNEY E

BILGEN MUSTAFA

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

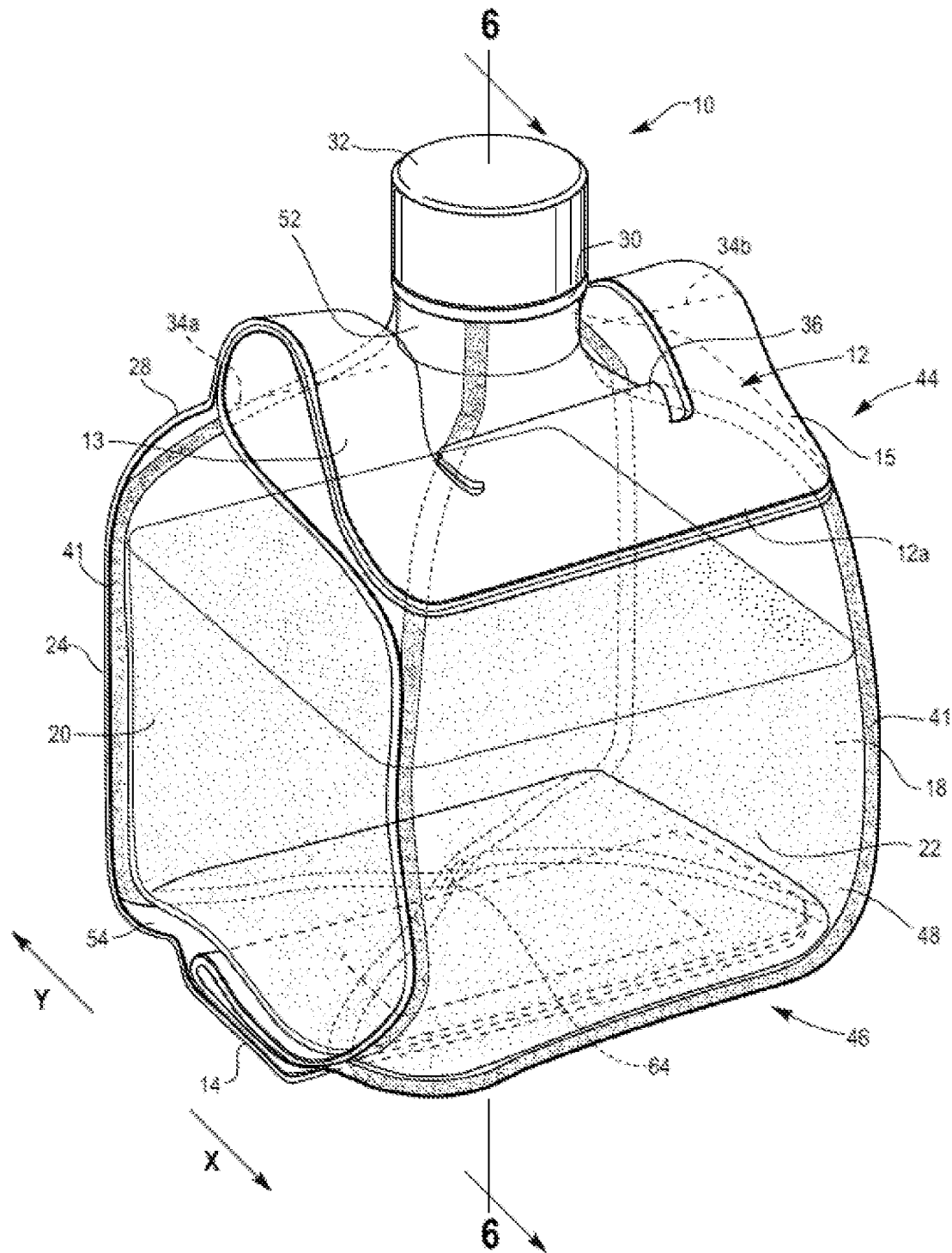
Family 34/100 - FAMPAT - ©Questel

Title

(WO201775202)

Stand-up container

Images



Publication data including kind & date

US20170121082	A1	2017-05-04	US20170121082
WO2017075202	A1	2017-05-04	WO201775202
AR106410	A1	2018-01-10	AR-106410



Abstract

(WO201775202)

The present disclosure provides a flexible container. In an embodiment, the flexible container includes A. a front panel, a rear panel, a first gusseted side panel, and a second gusseted side panel, the gusseted side panels adjoining the front panel and the rear panel along peripheral seals to form a chamber, each panel is a multilayer film having at least three layers, each multilayer film comprising (i) an outermost layer comprising a high density polyethylene (HDPE) having a density from greater than 0.94 g/cc to 0.98 g/cc, (ii) a core layer comprising a core ethylene-based polymer having a density from 0.908 g/cc to less than 0.93 g/cc, (iii) an innermost seal layer comprising a seal ethylene-based polymer having a density from 0.86 g/cc to 0.92 g/cc; and B. each panel includes a bottom face comprising two opposing peripheral tapered seals, each peripheral tapered seal extending from a respective peripheral seal.

Inventors

TIWARI RASHI

MCGEE ROBERT L

POPE TIMOTHY J

CHOPIN III LAMY J

RIUZ JOSE EDUARDO

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

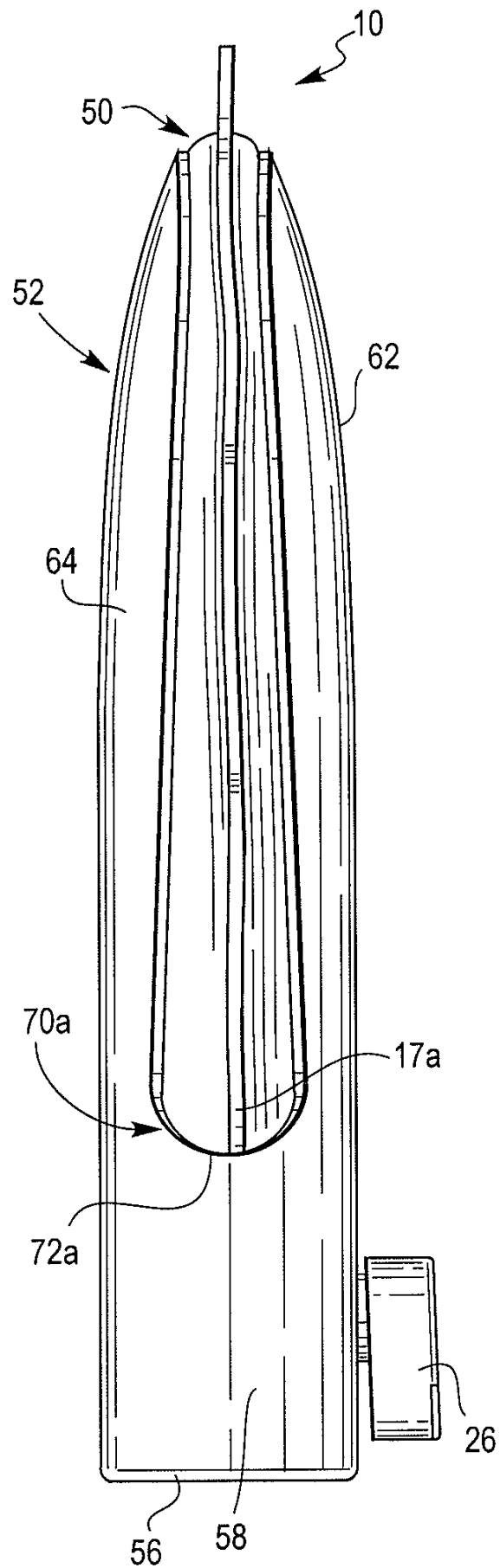
Family 35/100 - FAMPAT - ©Questel

Title

(EP3036174)

Flexible pouch and dock system

Images



Publication data including kind & date

US20140231453	A1	2014-08-21	US20140231453
WO2014130081	A1	2014-08-28	WO2014130081
BR112015019934	A1	2015-09-01	BR112015019934
CN104981414	A	2015-10-14	CN104981414
MX2015010838	A	2015-12-01	MX2015010838
US9211987	B2	2015-12-15	US9211987
EP3036174	A1	2016-06-29	EP3036174
BR112015019934	A2	2017-07-18	BR112015019934
CN104981414	B	2018-02-06	CN104981414B
EP3036174	B1	2018-07-18	EP3036174
ES2687825	T3	2018-10-29	ES2687825

**Abstract**

(EP3036174)

The present disclosure provides a flexible pouch (10) for bottom- dispensing a liquid. A dock (52) for holding the flexible pouch (10) is also provided. Further disclosed herein is a system (50) for dispensing a liquid. The system (50) includes the pouch (10) or placement in the dock (52).

Inventors

JAMES TIMOTHY

LOWRY HALEY A

MARTIN JILL M

Latest standardized assignees - inventors removed

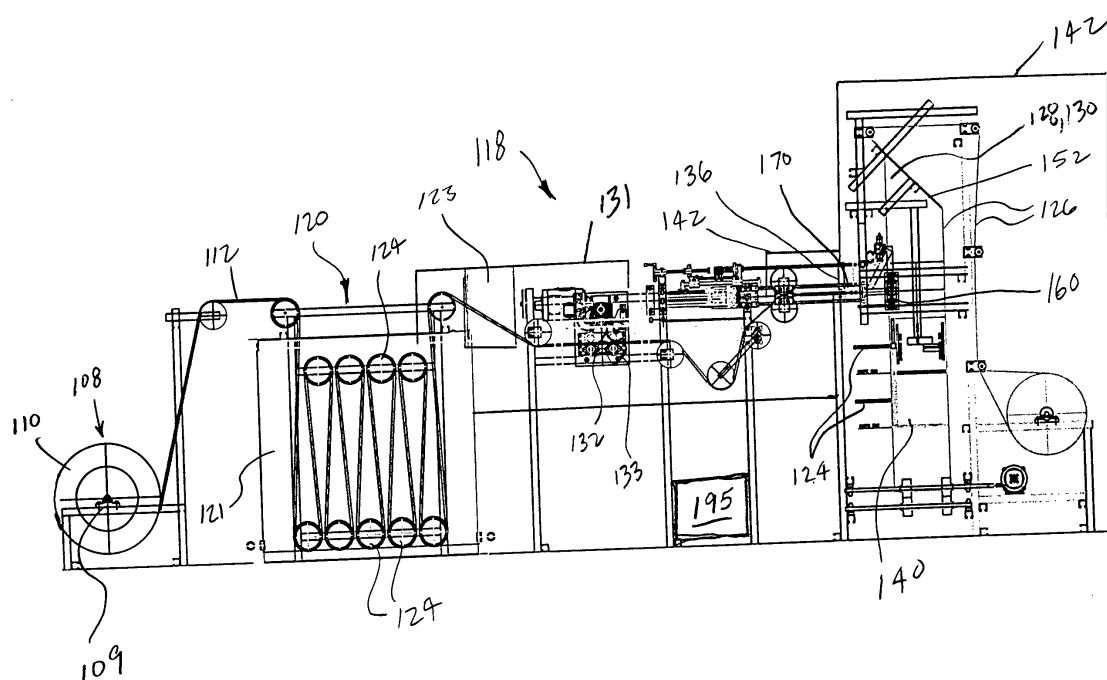
DOW GLOBAL TECHNOLOGIES

Family 36/100 - FAMPAT - ©Questel

Title

(EP1551713)

Method and apparatus for producing fused tube on bag and bag produced thereby

Images**Publication data including kind & date**

WO2004026702	A2	2004-04-01	WO200426702				
CA2498257	A1	2004-04-01	CA2498257				
AU2003272578	A1	2004-04-08	AU2003272578				
AU2003272578	A8	2004-04-08	AU2003272578				
WO2004026702	A9	2004-05-13	WO200426702				
US20040123883	A1	2004-07-01	US20040123883				
WO2004026702	A3	2004-07-15	WO200426702				
KR20050046798	A	2005-05-18	KR20050046798				
MXPA05003130	A	2005-06-22	MX2005PA003130				
EP1551713	A2	2005-07-13	EP1551713				
CN1681709	A	2005-10-12	CN1681709				
JP2006500292	A	2006-01-05	JP2006500292				
EP1551713	A4	2007-12-05	EP1551713				

Abstract

(EP1551713)

An apparatus for attaching a tube segment (24, 124, 224) to a bag (10, 140, 240) by fusing them together in an aseptic form, fill and seal operation is provided. The apparatus includes a sterile processing chamber in which a sterilized tube segment and a pair of opposing wall portions (28, 30) of a flexible bag are to be located. The sterilized tube section has an open end which is to be placed in communication with an interior space of the bag. A tuber inserter is at least partially located within the processing chamber and arranged to grip the tube segment and place the tube segment between the wall portions of the bag. At least one member is provided for fusing the tube segment between the wall portions of the bag so that the open end of the tube segment is in communication with the interior space in the bag. A bag formed using the apparatus and a method of forming the fused tube-on-bag are also provided.

Inventors

PRITCHARD BARRY

BUSH LAWRENCE D

HENRY LEON

GOOD RICHARD

Latest standardized assignees - inventors removed

AFP ADVANCED FOOD PRODUCTS

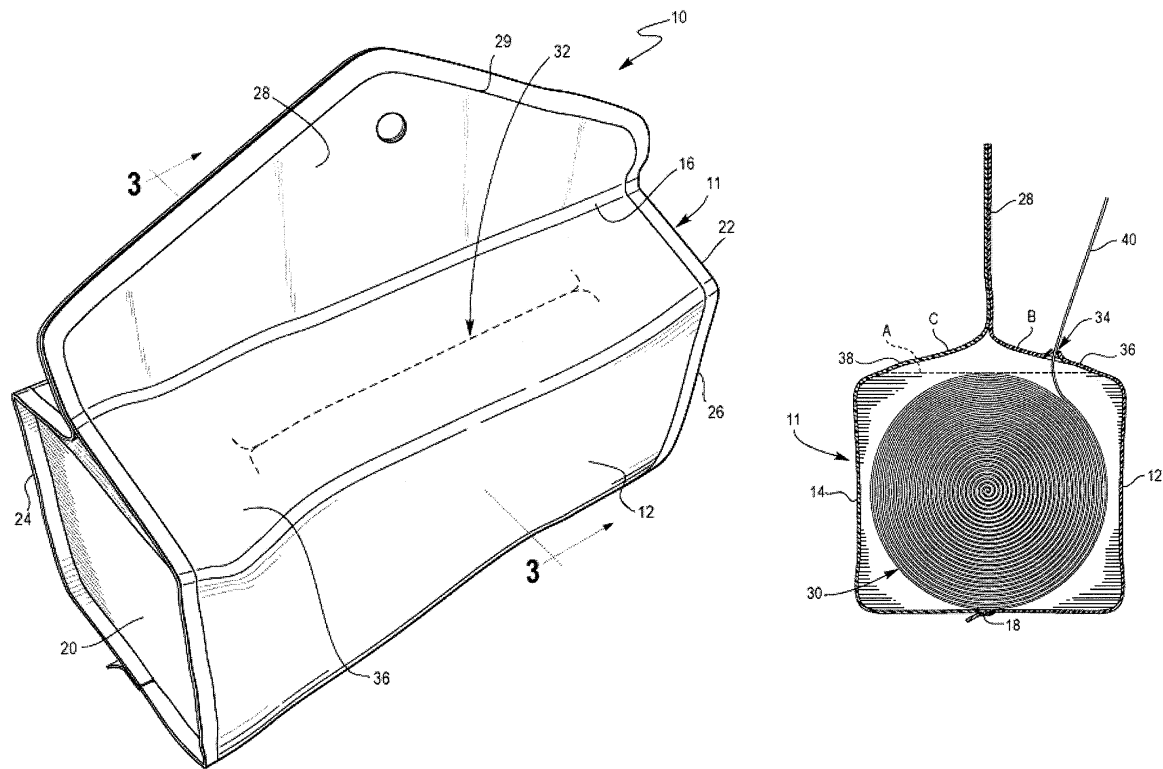
Family 37/100 - FAMPAT - ©Questel

Title

(EP3036176)

Dispenser for flexible sheets

Images



Publication data including kind & date

US20140231289	A1	2014-08-21	US20140231289
WO2014130080	A1	2014-08-28	WO2014130080
USD727054	S1	2015-04-21	USD727054
BR112015020036	A1	2015-09-01	BR112015020036
CN104981416	A	2015-10-14	CN104981416
MX2015010839	A	2015-12-03	MX2015010839
US9284109	B2	2016-03-15	US9284109
EP3036176	A1	2017-05-10	EP3036176
BR112015020036	A2	2017-07-18	BR112015020036
ES2646593	T3	2017-12-14	ES2646593
CN104981416	B	2018-02-16	CN104981416B
EP3036176	B1	2018-06-20	EP3036176
MX359059	B	2018-09-13	MX-359059



Abstract

(EP3036176)

The present disclosure provides a dispenser for dispensing flexible sheets. The dispenser includes (A) a pouch composed of at least one flexible multilayer film. The pouch includes (i) a front wall joined to a rear wall along a top seal and a bottom seal and (ii) a first sidewall and an opposing second sidewall. Each sidewall is joined to the front wall and the rear wall with a respective first side seal and a second side seal. The pouch also includes (iii) a flap above the pouch that is joined to the pouch along the top seal. The dispenser also includes (B) a roll of continuous flexible sheets in an interior of the pouch. The dispenser further includes (C) a slot along the front wall through which the flexible sheets are removed from the pouch.

Inventors

JAMES TIMOTHY
LOWRY HALEY A
MARTIN JILL M

Latest standardized assignees - inventors removed

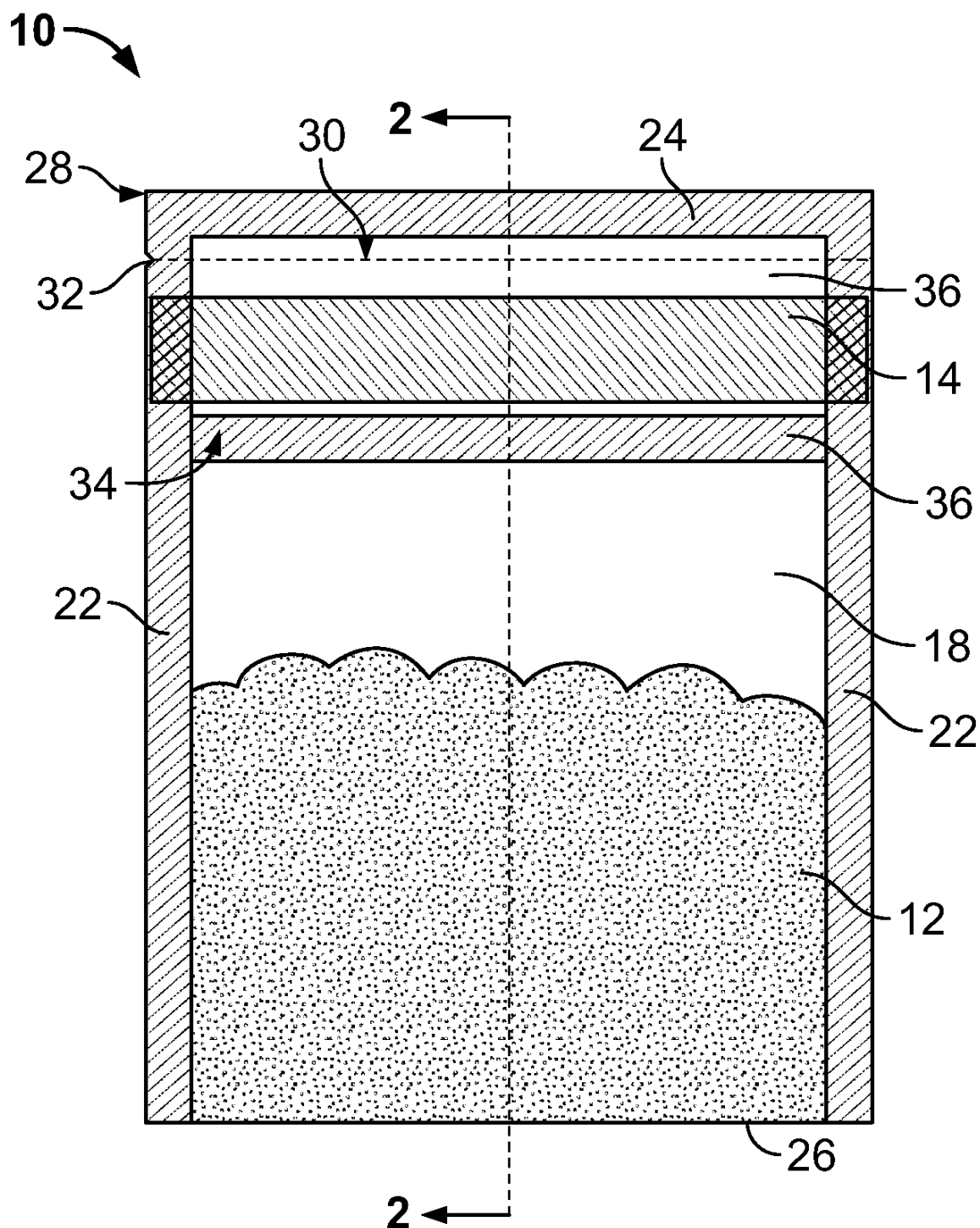
DOW GLOBAL TECHNOLOGIES

Family 38/100 - FAMPAT - ©Questel

Title

(EP2243707)

Apparatus and method of producing flexible packages having an automatic closure feature

Images**Publication data including kind & date**

MX2009004405	A	2009-10-23	MX2009004405
CA2663481	A1	2009-10-24	CA2663481
EP2112085	A1	2009-10-28	EP2112085
US20090266036	A1	2009-10-29	US20090266036
US20090269450	A1	2009-10-29	US20090269450
JP2009263008	A	2009-11-12	JP2009263008
AU2009201559			



	A1	2009-11-12	AU2009201559				
US20090304875	A1	2009-12-10	US20090304875				
BRPI0900705	A2	2010-01-19	BR200900705				
ZA200902833	B	2010-03-31	ZA200902833				
AR071499	A1	2010-06-23	AR--71499				
MX2010004522	A	2010-10-25	MX2010004522				
EP2243707	A2	2010-10-27	EP2243707				
RU2009115506	A	2010-10-27	RU2009115506				
IN1101/CHE/2010	A	2010-11-05	IN2010CH01101				
CN101920794	A	2010-12-22	CN101920794				
CO6270034	A1	2011-04-20	CO6270034A1				
AR076414	A1	2011-06-08	AR--76414				
EP2243707	A3	2012-09-19	EP2243707				
BRPI1001168	A2	2013-12-24	BR201001168				

Abstract

(EP2243707)

A reclosable flexible package (10) is suitable for retail sale of food products and is comprised of a film material. The reclosable flexible packages (10) are suitable for mass production on high-speed form-fill-seal equipment. The flexible package includes a pair of semi-rigid strips (14,16) attached to the walls of the flexible pouch and positioned parallel to the package opening. The semi-rigid strips (14,16) are configured and arranged to nest together and bias toward one another. Upon opening of the package, the semi-rigid strips (14,16) are moveable between a closed position and an open position. Further, the semi-rigid strips (14,16) are configured such that they automatically reclose the package when the strips are released from the open position.

Inventors

ZERFAS PAUL ANTHONY

JONES ROBERT C

Latest standardized assignees - inventors removed

INTERCONTINENTAL GREAT BRANDS

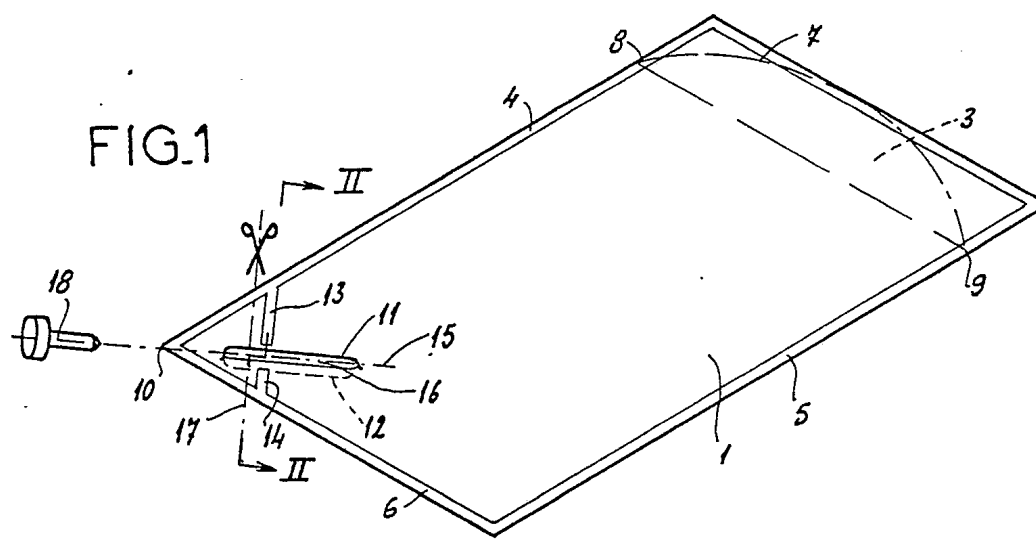
Family 39/100 - FAMPAT - ©Questel

Title

(EP-364373)

Flexible container

Images



Publication data including kind & date

FR2637572	A1	1990-04-13	FR2637572
EP0364373	A1	1990-04-18	EP-364373
FR2637572	B1	1990-12-14	FR2637572
EP0364373	B1	1992-06-17	EP-364373
AT77325	T	1992-07-15	ATE077325
DE68901845	D1	1992-07-23	DE68901845
DE68901845	T2	1992-12-17	DE68901845
ES2032675	T3	1993-02-16	ES2032675



Abstract

(EP-364373)

The invention relates to a flexible container, provided with means making it easier to get its contents out when used. The container is made of a synthetic heat sealing material forming two side walls (1) joined to weld lines (4, 5, 6) round their edges. Near one of the corners (10) of the container, a double impress (11, 12) is provided, made on the side walls (1) and creating an outlet channel (16), which is split on the container's first use. Weld lines (13, 14), lying on either side of the double impress (11), enable a calibrated outlet opening to be defined. This container can in particular hold a liquid or viscous product. <IMAGE>

Inventors

BURGAT, GEORGES

Latest standardized assignees - inventors removed

THIMONNIER

Family 40/100 - FAMPAT - ©Questel

Title

(EP2934887)

Flexible film composition for heat seals and container with same

Images

MAZZOLA NICOLAS C

VAN DUN JOZEF J I

BRUNNER KURT

ARROYO VILLAN MARIA ISABEL

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

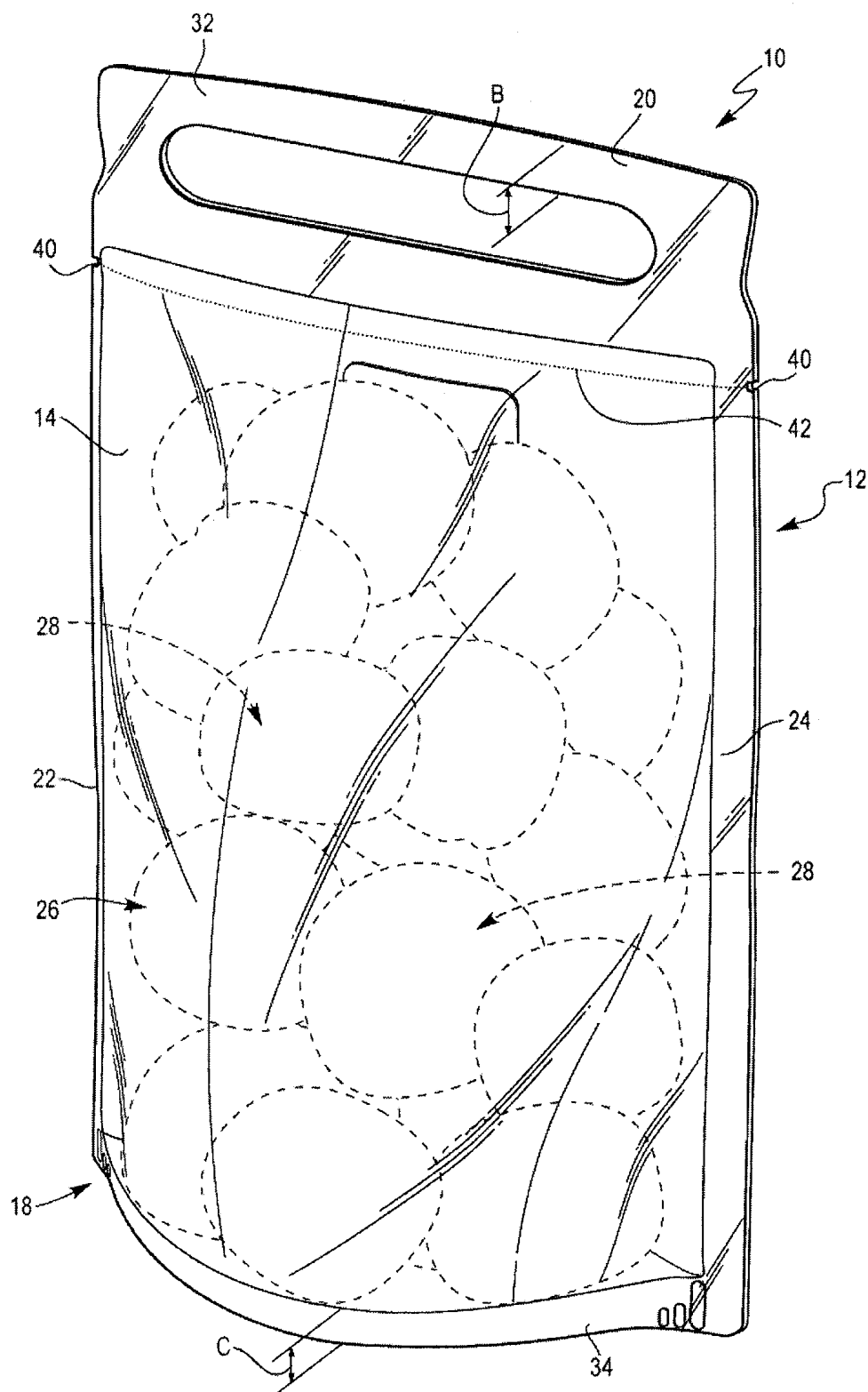
Family 41/100 - FAMPAT - ©Questel

Title

(EP3007895)

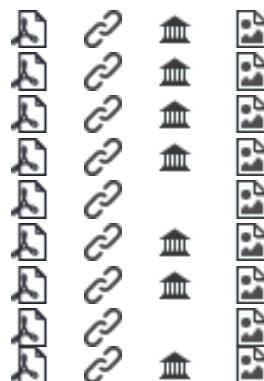
Pouch for fresh produce item and method

Images



Publication data including kind & date

USD719035	S1	2014-12-09	USD719035
USD719036	S1	2014-12-09	USD719036
US20140370160	A1	2014-12-18	US20140370160
WO2014200562	A1	2014-12-18	WO2014200562
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EP3007895	B1	2018-06-20	EP3007895				

Abstract

(EP3007895)

The present disclosure provides a pouch for holding a fresh produce item and a method. The pouch includes (A) a body composed of at least one flexible multilayer film having a haze value less than 20%. The body further includes a front wall, a rear wall, and a gusset panel that form a closed chamber. (B) The gusset panel includes a rim. (C) A fresh produce item is located in the closed chamber. (D) The pouch has a chamber-to-rim ratio (mm) from 6:1 to 200: 1. At least a portion of at least one wall is transparent permitting a person to see the fresh produce item in the pouch. The method includes displaying the fresh produce item through at least one of the front wall or the rear wall at a chamber-to-rim ratio from 6: 1 to 200: 1.

Inventors

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 42/100 - FAMPAT - ©Questel

Title

(EP2266522)

Carrier and method for containers to be sterilized by E-beams

Images

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Abstract

(EP2266522)

A method for forming a flexible container (10) for combined storage and administration is described. The method comprising the steps of sealing flexible front and rear sheets (12, 14) together at a common peripheral edge (16); heating the front and rear sheets (12, 14) in a first localised area to form a first peelable seal (24) extending between two sides of the common peripheral edge (16), the first peelable seal (24) separably joining the front and rear sheets (12, 14) to thereby form a first compartment (18) for containing a first product; and heating the front and rear sheets (12, 14) in a second localised area to form a second peelable seal (26) extending between the two sides of the common peripheral edge (16), the second peelable seal separably joining the front and rear sheets (12, 14) to thereby form an outlet compartment (22) and a second compartment (20) for containing a second product, the second compartment (20) being between the outlet compartment

(22) and the first compartment (18). For ease of manufacture and filling first and second sacrificial ports (102, 104) are provided which are interposed between the front and rear sheets (12, 14) and are in communication with the first and second compartments (18, 20), respectively; with the first compartment (18) is filled with a first product through a respective sacrificial port (102); the second compartment (20) is filled with a second product through a respective sacrificial port (104); and the seal along the common peripheral edge (16) is completed and the sacrificial ports (102, 104) are removed from the container (10).

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Latest standardized assignees - inventors removed

BRAUN MEDICAL

Family 43/100 - FAMPAT - ©Questel

Title

(EP1676784)

Flexible container containing a liquid product, and a process for making a liquid-filled, flexible container

Images

BRPI0519670

A2 2009-03-03 BR200519670

Abstract

(EP1676784)

The present invention relates to a flexible container containing a liquid product, wherein the flexible container (2) comprises a closure having an inner end and an outer end, the closure being fixed through the wall of the flexible container (2) such that the inner end of the closure lies within the flexible container (2) and is in contact with the liquid product, and the outer end of the closure lies outside of the flexible container, wherein the closure has an open position and a closed position, and wherein the outer end of the closure is connected to a self-sealing valve (30) which opens when the closure is in the open position and when pressure is applied to the liquid product within the flexible container, and which closes when the pressure is released. In another aspect the invention relates to a process of making a liquid-filled, flexible container.

Inventors

ETESSE PATRICK JEAN-FRANCOIS

Latest standardized assignees - inventors removed

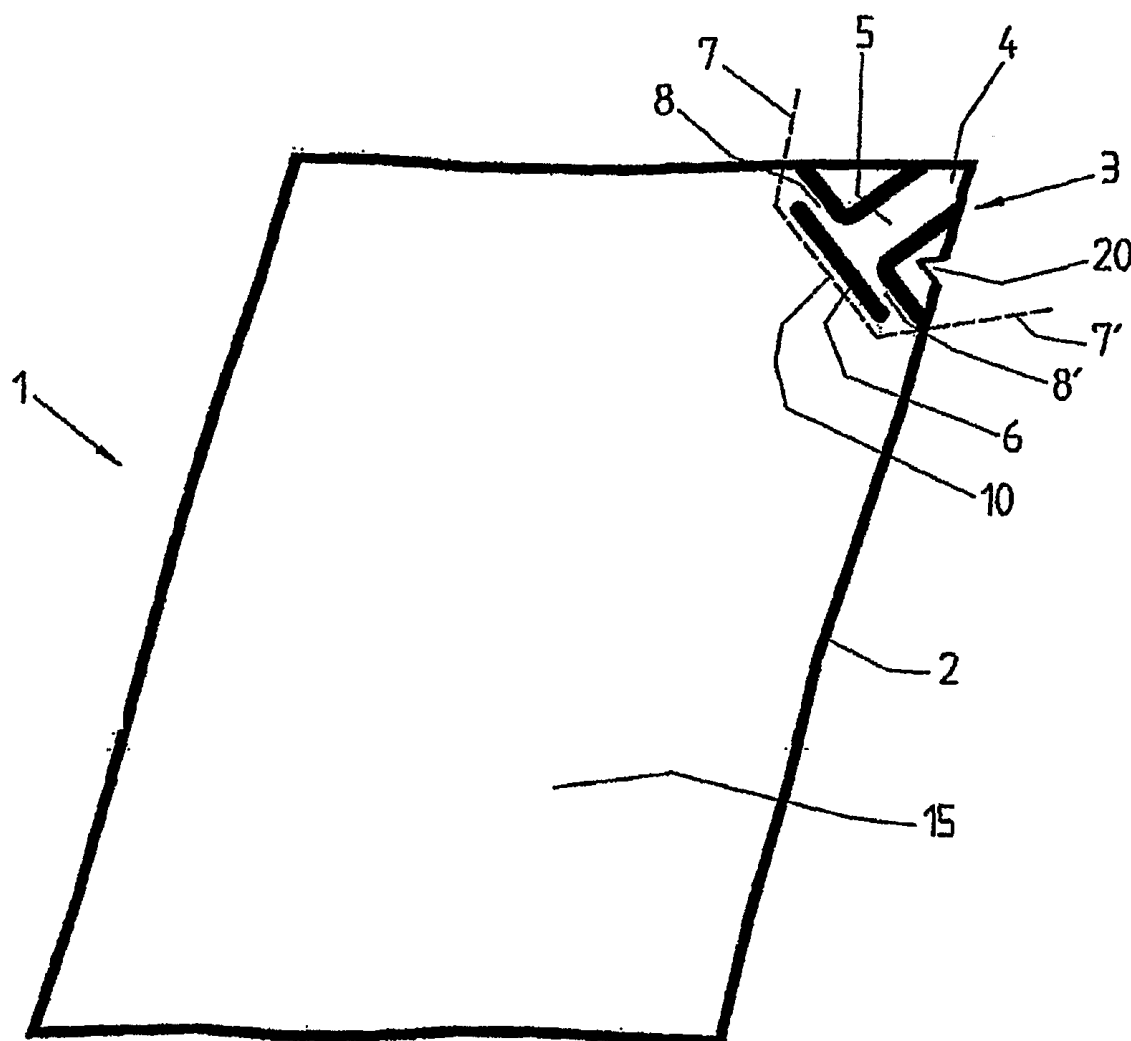
PROCTER & GAMBLE

Family 44/100 - FAMPAT - ©Questel

Title

(EP1981779)

Flexible receptacle for liquids and method of manufacturing thereof

Images**Publication data including kind & date**

EP1808380

A1 2007-07-18 EP1808380



WO2007080450	A2	2007-07-19	WO200780450				
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EP1981779	B1	2013-11-06	EP1981779				

Abstract

(EP1981779)

A flexible receptacle for liquid, comprising two walls (15,16) of a flexible material, the superimposed free borders of the said walls being joined by a peripheral weld seam (2) in order to define a sealed internal volume of the said receptacle, a self-sealing pouring nozzle (3) in a corner of said receptacle comprising a spout (4) located towards the outside of the said receptacle, an outlet channel (5) connecting the spout to the internal volume of the said receptacle, a self-closing valve comprising one or more obstacles (6) formed by welding of the two walls and arranged in the said internal volume essentially opposite and close to the channel leading to the spout so as to limit the cross-section of the flow-passage of the liquid between the internal volume and the outlet channel, leaving free at least one narrow channel, wherein the outlet channel is formed by a weld either side of the channel within the volume defined by the peripheral seam, said peripheral seam has a parallelogram shape having an acute angle of less than 80°, and the pouring nozzle is positioned in a corner of the said receptacle with an acute angle.

Inventors

RISGALLA ERIC

Latest standardized assignees - inventors removed

PEPUP

Family 45/100 - FAMPAT - ©Questel

Title

(EP1718542)

Flexible bags with locators

Images

bottom end of the containment portion including at least one bag alignment indicator (97), wherein the bag alignment indicator allows alignment with a valve (53) to position the spout receiving portion (93) to receive a dispenser spout.

Inventors

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Latest standardized assignees - inventors removed

CLEAR LAM PACKAGING

Family 46/100 - FAMPAT - ©Questel

Title

(EP-471607)

Pouch containers and method for preparing the same

Images

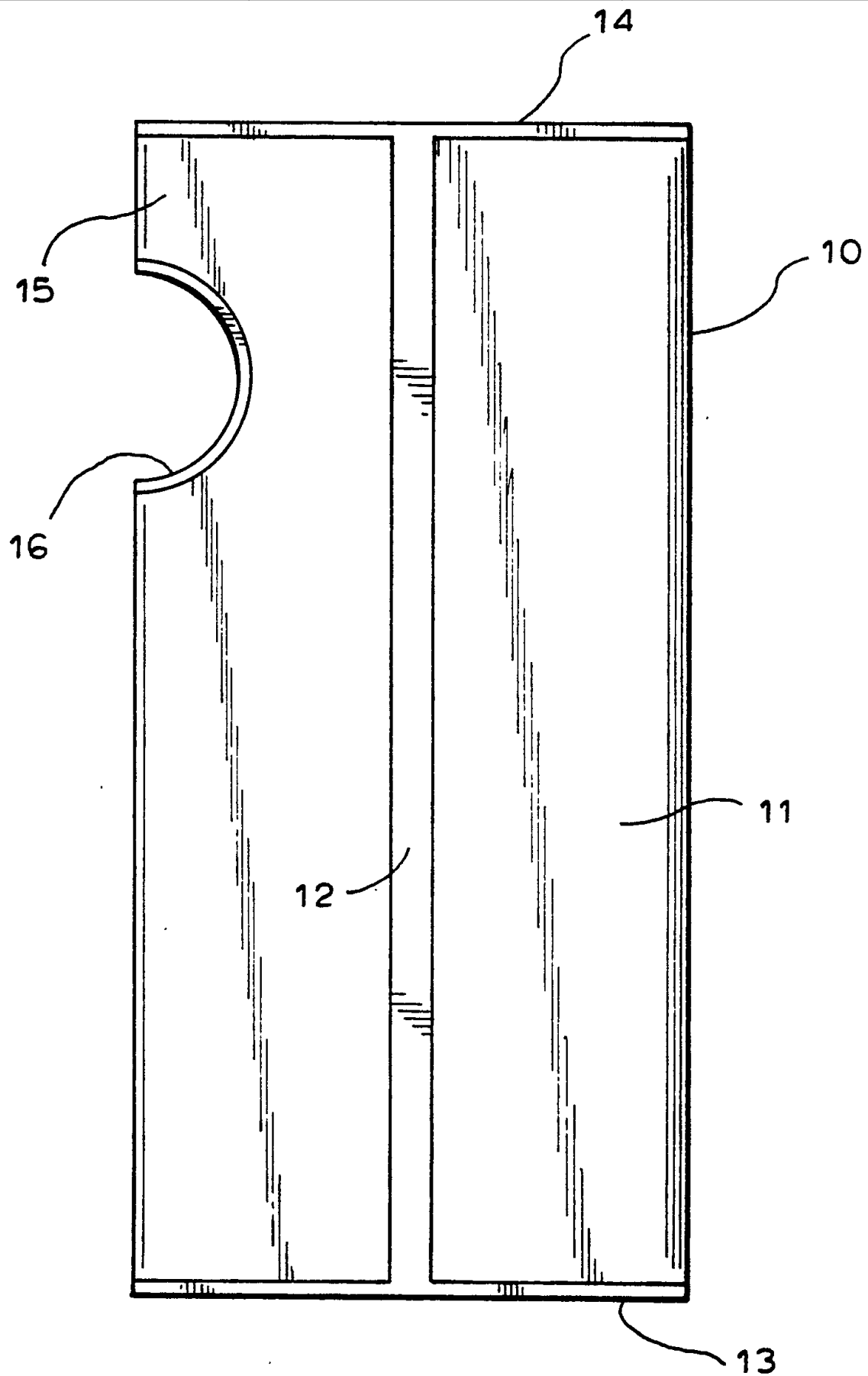


FIG 1

Publication data including kind & date

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Abstract

(EP-471607)

A pouch container can be produced for household products such as bleaches using a multi-layer film and RF sealing techniques. The film has at least one barrier layer and at least one seal layer. The film also has an oxygen permeability of at least about 600 cm/m/day/bar and a transmissivity for fragrances. In addition, the film should be of an age after manufacture of about 2 weeks to about 24 weeks. The pouches that are formed have strong seals and overall strength.

Inventors

MILLON JOEL

Latest standardized assignees - inventors removed

COLGATE PALMOLIVE

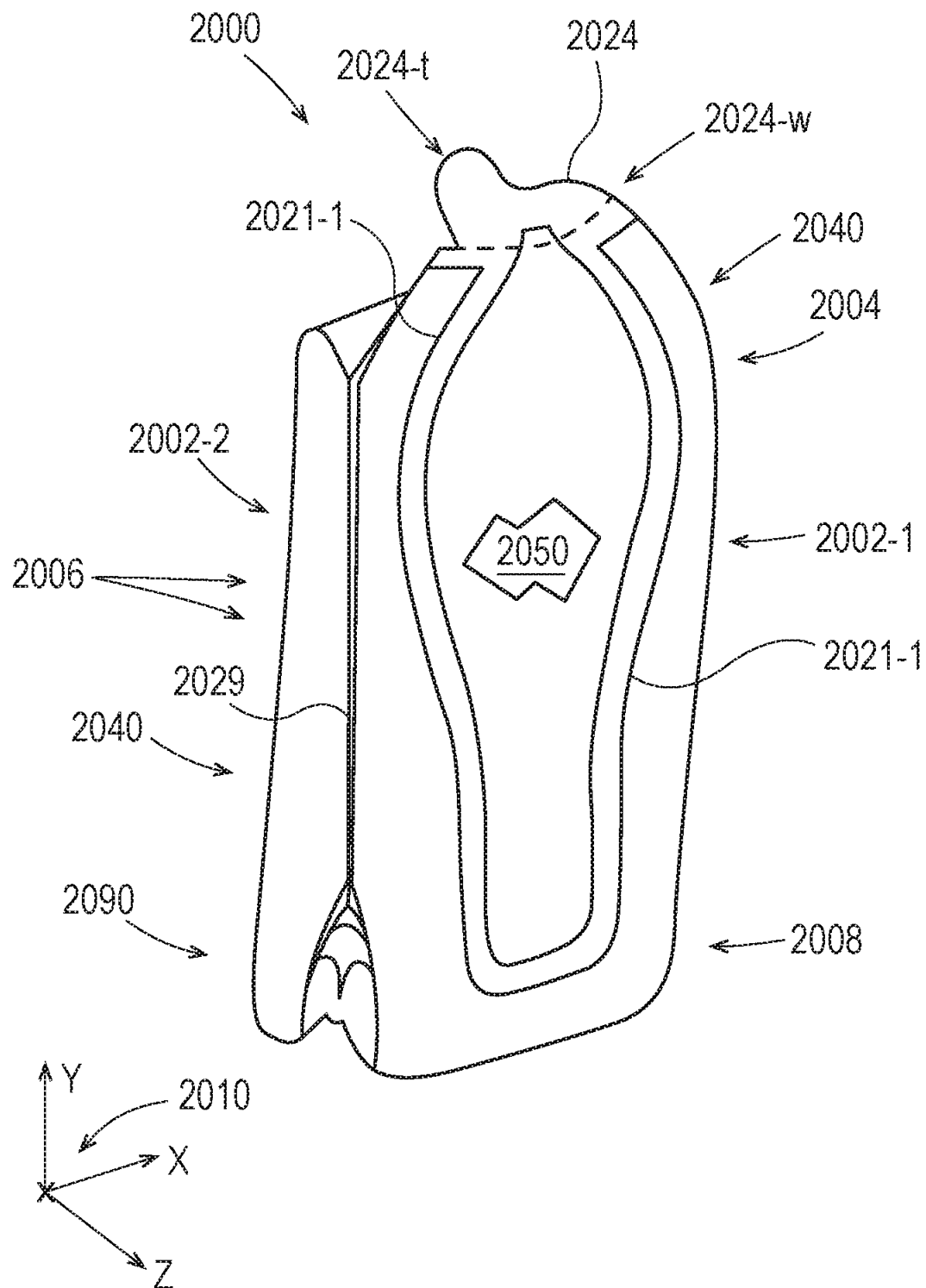
Family 47/100 - FAMPAT - ©Questel

Title

(EP3280658)

Flexible containers with integral dispensing spout

Images



Publication data including kind & date

US20160297569	A1	2016-10-13	US20160297569
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WO2016164692	A9	2017-05-26	WO2016164692
CN107406184	A	2017-11-28	CN107406184
EP3280658	A1	2018-02-14	EP3280658
US9988190	B2	2018-06-05	US9988190



Abstract

(EP3280658)

A flexible container (2000) comprises: a multiple dose product volume for a fluent product; a structural support frame including a folded leg of a gusset on a top of the container, wherein the structural support frame supports the product volume in a stand-up orientation; a dispenser (2060) for dispensing fluent product (2051), formed by a tear-open opening in a sealed leg of the gusset in the top of the container; and a flow channel in fluid communication with the product volume and the dispenser. Externally compressing the container allows to dispense the fluent product through the flow channel the dispenser, and the dispenser, in stand-up position of the container, is situated higher than an uppermost portion of the structural support frame.

Inventors

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Latest standardized assignees - inventors removed

KALEIDOSCOPE

PROCTER & GAMBLE

Family 48/100 - FAMPAT - ©Questel

Title

(EP1037565)

Method for making a flexible medical container with selectively enlargeable compartments

Images

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ES2327802	T3	2009-11-03	ES2327802				
JP4739517	B2	2011-05-13	JP4739517				
EP1037565	B1	2011-11-09	EP1037565				
BRPI9814960	B1	2018-03-27	BRPI9814960				

Abstract

(EP1037565)

A flexible container (10) is provided for the storage, and administration of medical solutions. The container incorporates a transparent front sheet (12) made from a planar layer of a polymer, and an opposing rear sheet (14). The rear sheet is made from a planar laminate layer. The front, and rear sheets are sealed together along a common peripheral edge (16) to form a volume enclosure (17). The volume enclosure is constructed of materials having high oxygen, and moisture barrier properties which allows the container thermoplastic to be stored for extended periods of time without degrading the contents. The volume enclosure is then inflated with a pressurized gas to permanently stretch the front, and the rear sheets outwardly, and to thereby increase the volume capacity of the container. An alternative embodiment of the container incorporates multiple compartments (22, 23, 24) separated by peeled seals (25, 26) for containing a diluent, and a medicament. The seals are ruptured by manipulations of the container to thereby mix the contents together for delivery through standard IV arrangement to a patient.

Inventors

SPERKO WILLIAM A
TURNER ROBERT E
SMITH STEVEN L
RAY WILLIAM B

Latest standardized assignees - inventors removed

BRAUN MEDICAL

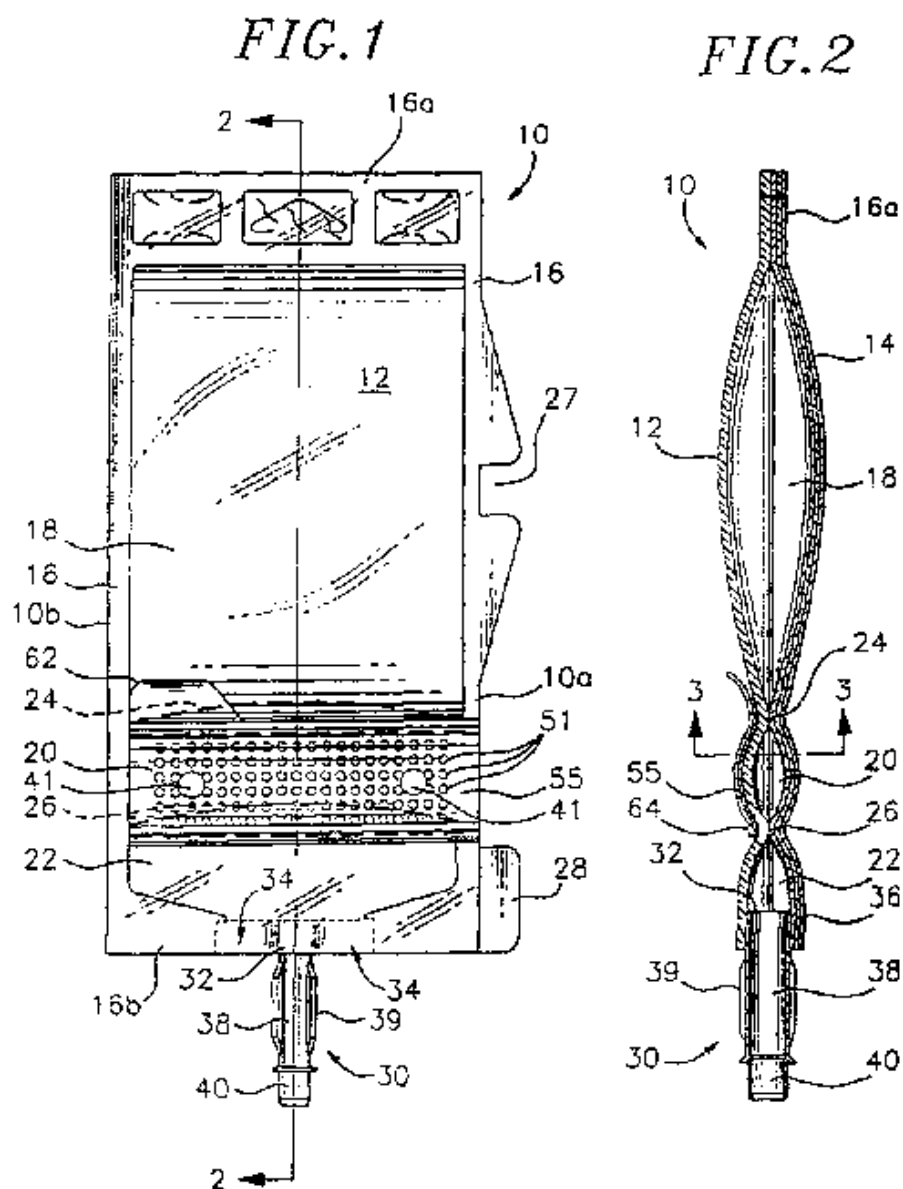
Family 49/100 - FAMPAT - ©Questel

Title

(EP2238963)

Flexible multiple compartment medical container with preferentially rupturable seals

Images



Publication data including kind & date

WO9924086	A1	1999-05-20	WO9924086
CA2588610	A1	1999-05-20	CA2588610
CA2588610	C	1999-05-20	CA2588610
CA2309167	A1	1999-05-20	CA2309167
AU9674798	A	1999-05-31	AU9896747
US6117123	A	2000-09-12	US6117123
KR20010031996	A	2001-04-16	KR20010031996
JP2001522655	A	2001-11-20	JP2001522655
AU746490	B2	2002-05-02	AU-746490
EP1034006	A4	2004-07-28	EP1034006



KR100524357	B1	2005-10-26	KR100524357				
IN3355/DEL/1998	A	2005-11-18	IN1998DE03355				
EP1034006	A1	2007-07-18	EP1034006				
CA2309167	C	2007-08-21	CA2309167				
IN215040	B	2008-03-07	IN-215040				
JP2008289927	A	2008-12-04	JP2008289927				
JP4473329	B2	2010-03-12	JP4473329				
EP2238963	A1	2010-10-13	EP2238963				
AT491427	T	2011-01-15	ATE491427				
DE69842051	D1	2011-01-27	DE69842051				
JP2011026012	A	2011-02-10	JP2011026012				
ES2354801	T3	2011-03-18	ES2354801				
HK1029293	A1	2011-05-13	HK1029293				
EP1034006	B1	2011-11-23	EP1034006				
JP5175323	B2	2013-01-11	JP5175323				
EP2238963	B1	2013-06-05	EP2238963				
ES2424919	T3	2013-10-09	ES2424919				

Abstract

(EP2238963)

A flexible container (10) is provided for the storage and mixing together of diluents and medicaments. The container incorporates multiple compartments (18, 20, 22) separated by preferentially peeled seals (24, 26) in which the diluents and medicaments are stored. The container is constructed of thermoplastic materials having high oxygen and moisture barrier properties which allows the container to be stored for extended periods of time without degrading the contents. The peelable seals are ruptured by manipulation of the container to thereby mix the contents together for delivery through standard IV arrangement to a patient. The container is fillable with a single component liquid medicament which may be susceptible to sloshing or turbulence. Turbulence is minimized by eliminating the internal gaseous head space by initially forming the head space with a low molecular weight gas such as helium.

Inventors

BARNEY WARD W

SMITH STEVEN L

Latest standardized assignees - inventors removed

BRAUN MEDICAL

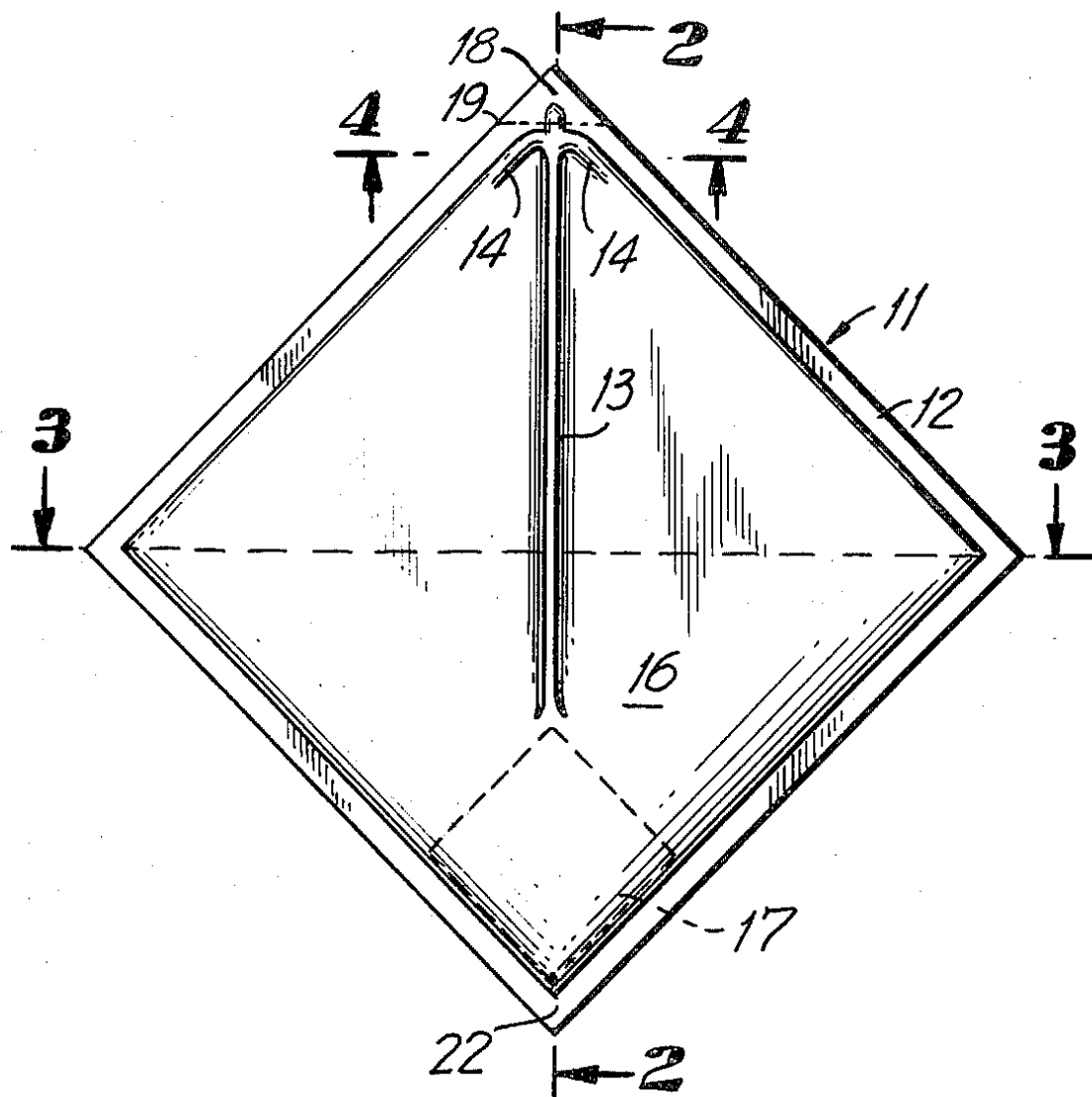
Family 50/100 - FAMPAT - ©Questel

Title

(US3897005)

Convenience spray dispensing packet

Images



Publication data including kind & date

DE2356174	A1	1974-05-22	DE2356174
FR2206250	A1	1974-06-07	FR2206250
JPS49108614	A	1974-10-16	JP49108614
GB1387780	A	1975-03-19	GB1387780
US3897005	A	1975-07-29	US3897005
IT997795	B	1975-12-30	IT-997795
CA987275	A	1976-04-13	CA-987275
FR2206250	B1	1979-02-09	FR2206250



Abstract

(US3897005)

A convenience spray-dispenser packet including two flexible sheets of plastic or foil or the like sealed around the peripheries thereof to make an enclosure. The packet is partially filled with a liquid such as perfume or toilet water, and resilient means is provided for holding the faces of the packet a slight distance apart. First and second conduits are formed within the packet, the conduits converging on one corner of the packet. In use, the packet is disposed so that the corner is upright and a portion of the corner is cut or torn off to provide a small opening in the enclosure. Squeezing the packet effects a forcing of liquid through the first conduit and a forcing of air through the second conduit to thereby affect dispersion or spray of the liquid through the opening formed in the packet.

Inventors

REINER GEORGE

Latest standardized assignees - inventors removed

REINER GEORGE

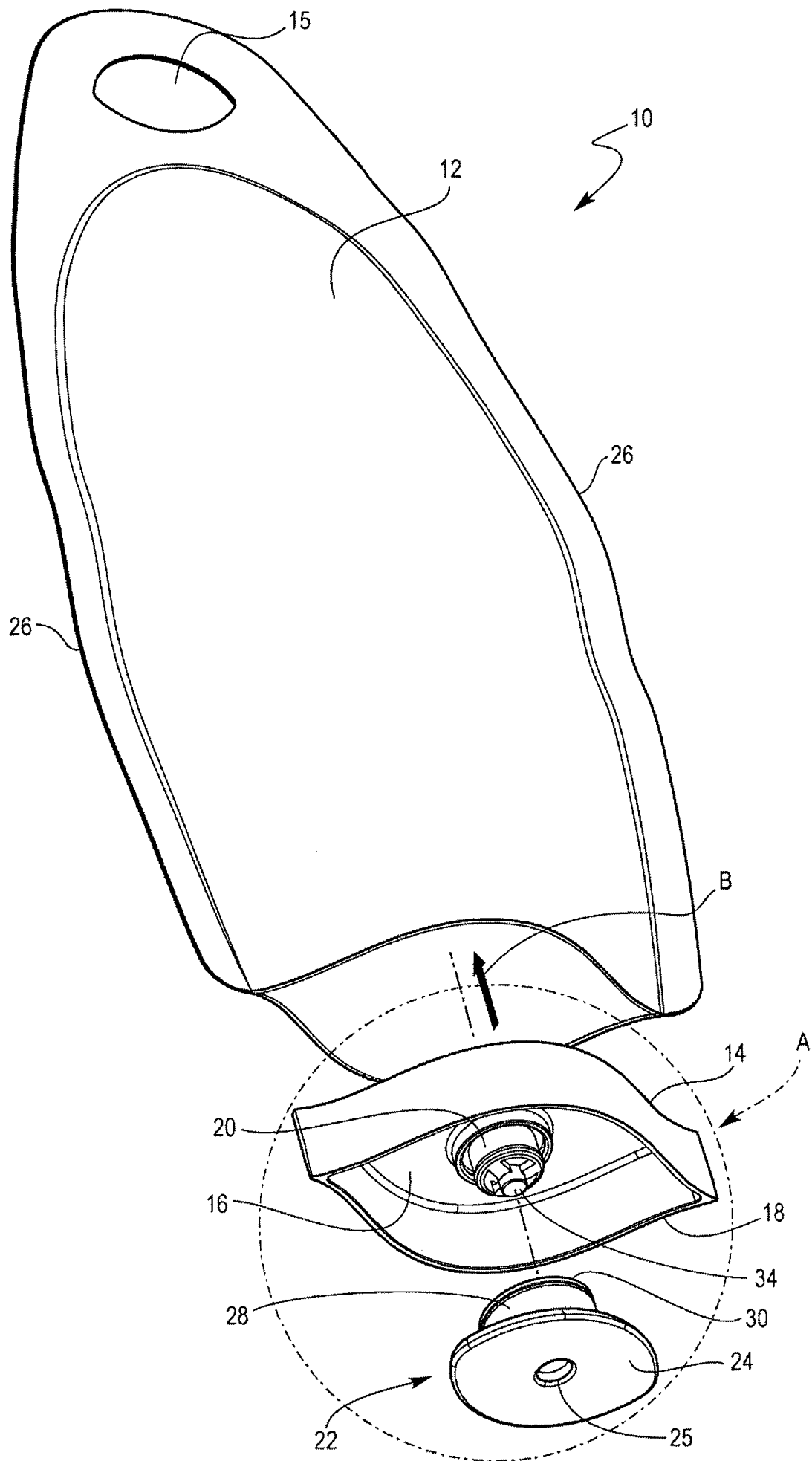
Family 51/100 - FAMPAT - ©Questel

Title

(EP3036175)

Dispensing container and method

Images



Publication data including kind & date

US20140231452	A1	2014-08-21	US20140231452				
WO2014130079	A1	2014-08-28	WO2014130079				
USD716668	S1	2014-11-04	USD716668				
AR092182	A1	2015-03-25	AR--92182				
BR112015019935	A1	2015-09-01	BR112015019935				
CN104981413	A	2015-10-14	CN104981413				
EP3036175	A1	2016-06-29	EP3036175				
MX2015010840	A	2016-07-08	MX2015010840				
US9586740	B2	2017-03-07	US9586740				
BR112015019935	A2	2017-07-18	BR112015019935				
EP3036175	B1	2018-05-16	EP3036175				
ES2676705	T3	2018-07-24	ES2676705				
CN104981413	B	2018-09-25	CN104981413B				

Abstract

(EP3036175)

The present disclosure provides a container (10) for dispensing a liquid from the container. The container includes a flexible body (12) having a closed top and an open bottom and a base (14) attached to the open bottom of the body. The body and base define a chamber for holding a liquid. The base includes a floor (16) and a peripheral rim (18) extending below the floor. A nozzle (20) extends from the floor. A closure (22) slidably engages with the nozzle. The closure includes a panel-cap (24) having an aperture (25) through which the liquid is dispensed.

Inventors

JAMES TIMOTHY

LOWRY HALEY A

MARTIN JILL M

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

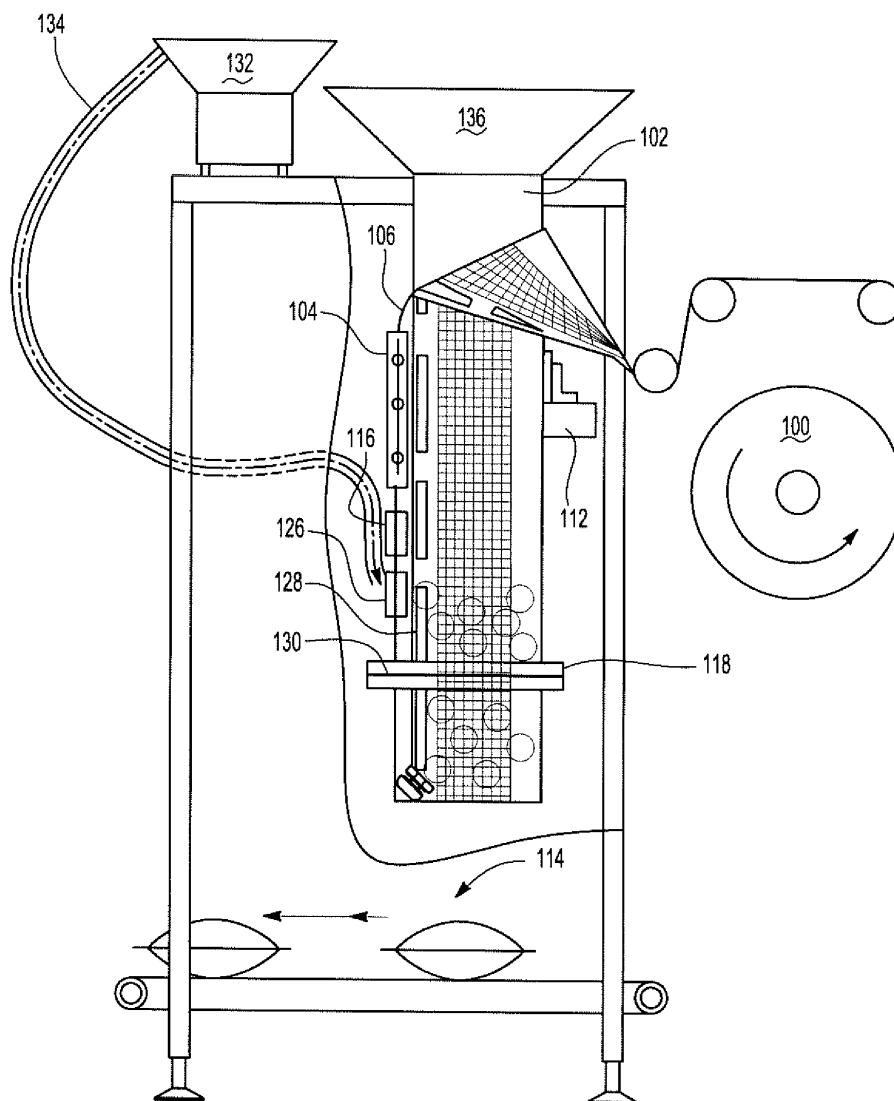
Family 52/100 - FAMPAT - ©Questel

Title

(US20140352259)

Method and apparatus for forming a flexible pouch with fitment

Images

**Publication data including kind & date**

US20140352259

A1 2014-12-04

US20140352259

**Abstract**

(US20140352259)

A method for forming a flexible pouch having a fitment, the method including the steps of sealing the bottom, top and one side of a material to form a pouch. The pouch is formed around a forming tube, leaving one side of the flexible pouch unsealed. A fitment is installed on the flexible pouch, either on the corner (45 degree angle) or on the top of the pouch. The product filled through the unsealed side of the flexible pouch while continuously moving the flexible pouch down the forming tube, the forming tube also continuously supplying product to fill the flexible pouch and sealing the unsealed side of the flexible pouch. An apparatus for forming a flexible pouch is provided having a forming tube. The forming tube is adapted to allow material to wrap around the forming tube to form a flexible pouch, the forming tube also operable to dispense product into the flexible pouch through an exit of the forming tube. The apparatus further includes a first sealer operable to seal a top portion of the flexible pouch while the flexible pouch is wrapped around the forming tube. A fitment installer is provided to install a fitment into the flexible pouch, the fitment installer positioned adjacent to and down the line from the first sealer. A second sealer is operable to seal the side portions of the flexible pouch after the product has been filled into the flexible pouch through one of the side portion.

Inventors

MURRAY R CHARLES

Latest standardized assignees - inventors removed

POUCH PAC INNOVATIONS

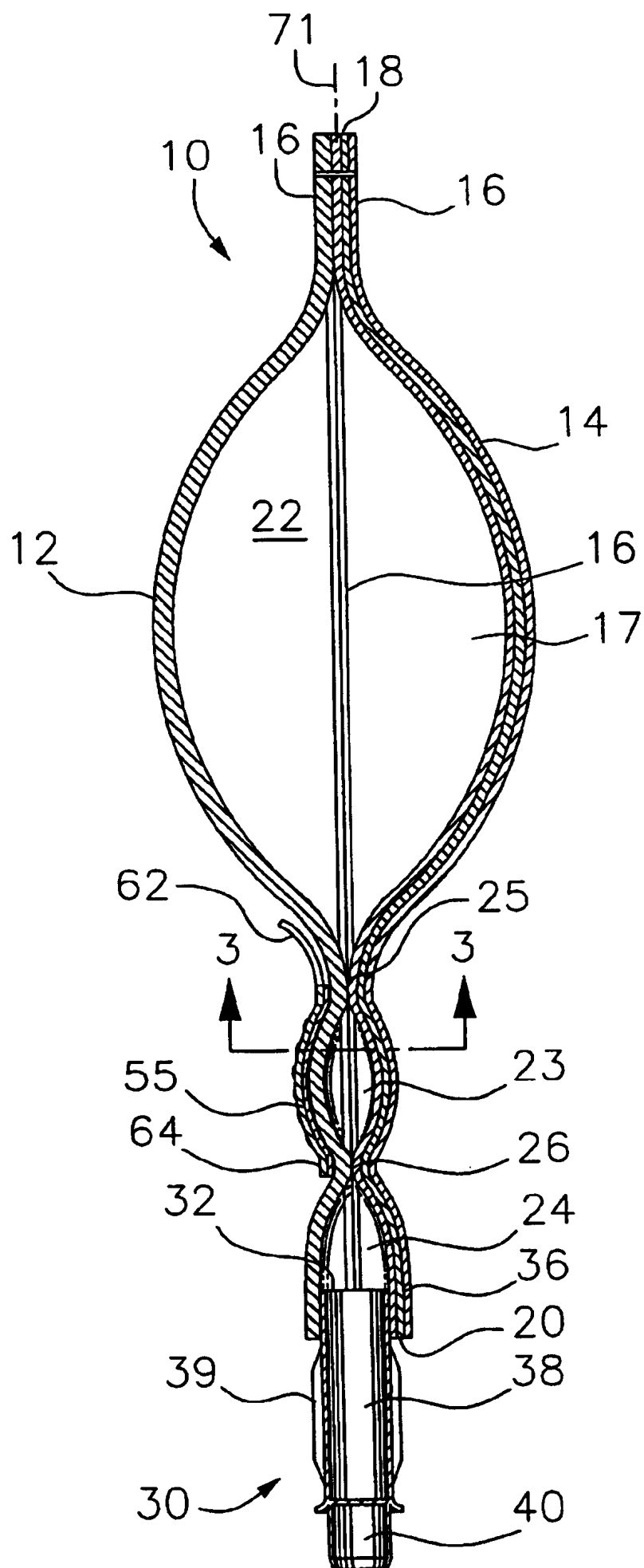
Family 53/100 - FAMPAT - ©Questel

Title

(US6996951)

Flexible multi-compartment container with peelable seals and method for making same

Images



Publication data including kind & date

US20030000632	A1	2003-01-02	US20030000632
US20030047467	A1	2003-03-13	US20030047467
US20040068960	A1	2004-04-15	US20040068960
US6764567	B2	2004-07-20	US6764567
US6846305	B2	2005-01-25	US6846305
US6996951	B2	2006-02-14	US6996951

**Abstract**

(US6996951)

A flexible container is provided for the storage and administration of medical solutions. The container incorporates a transparent front sheet made from a planar layer of a polymer and an opposing rear sheet. The rear sheet is made from a planar laminate layer. The front and rear sheets are sealed together along a common peripheral edge to form a volume enclosure. The volume enclosure is constructed of materials having high oxygen and moisture barrier properties which allows the container thermoplastic to be stored for extended periods of time without degrading the contents. The volume enclosure is then inflated with a pressurized gas to permanently stretch the front and rear sheets outwardly and to thereby increase the volume capacity of the container. An alternative embodiment of the container incorporates multiple compartments, separated by peelable seals, for containing a diluent and a medicament. The seals are ruptured by manipulation of the container to thereby mix the contents together for delivery through standard IV arrangement to a patient.

Inventors

SMITH STEVEN L
 BARNEY WARD
 GHARBIAN NOEL
 HARVEY DOUGLAS G
 MCLONIS MARK R
 PEARA CHRISTOPHER D
 POOL SCOTT L
 SACCA GIUSEPPE
 SAKAGUCHI THOMAS R
 SANDBERG SHARILYN J
 WALTER WILLIAM V
 WU NICHOLAS CHUNG-HUI
 YORK WALTER A
 YOUNG H THEODORE
 SPERKO WILLIAM A
 TURNER ROBERT E
 RAY WILLIAM B

Latest standardized assignees - inventors removed

BRAUN MEDICAL

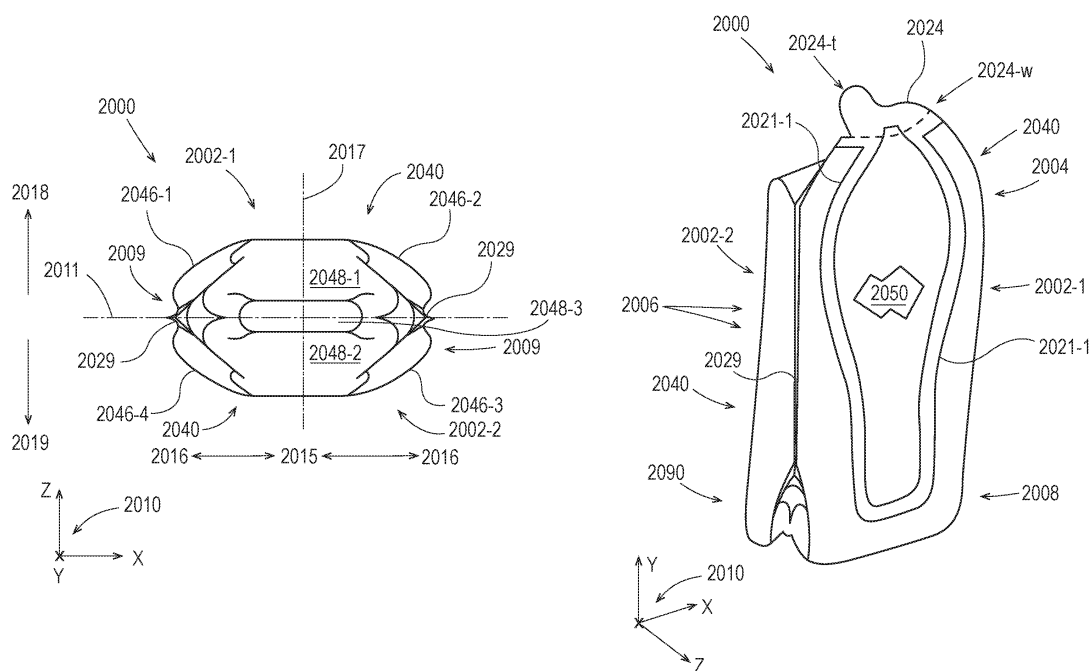
Family 54/100 - FAMPAT - ©Questel

Title

(EP3280657)

Flexible containers with puckered corners

Images



Publication data including kind & date

US20160297590	A1	2016-10-13	US20160297590
WO2016/164690	A1	2016-10-13	WO2016164690
EP3280657	A1	2018-02-14	EP3280657
US9914575	B2	2018-03-13	US9914575
CN107848684	A	2018-03-27	CN107848684



Abstract

(EP3280657)

Stand up flexible containers with inflated elements forming expanded structural support volumes with puckered comers.

Inventors

YOU JUN

MCGUIRE KENNETH STEPHEN

STANLEY SCOTT KENDYL

Latest standardized assignees - inventors removed

PROCTER & GAMBLE

Family 55/100 - FAMPAT - ©Questel

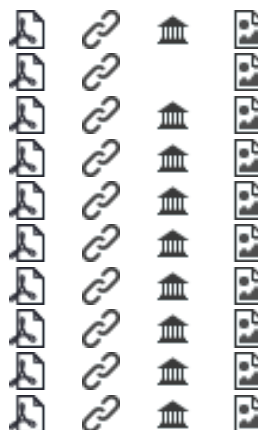
Title

(EP1007414)

System and method to form, fill and seal flexible bags

Images

RU2224696	C2	2004-02-27	RU2224696
EP1007414	B1	2005-06-01	EP1007414
AT296758	T	2005-06-15	ATE296758
DK1007414	T3	2005-07-04	DK1007414T
BRPI9713127	B1	2005-07-05	BR9713127
DE69733437	D1	2005-07-07	DE69733437
ES2243983	T3	2005-12-01	ES2243983
KR100547079	B1	2006-02-01	KR100547079
DE69733437	T2	2006-05-04	DE69733437
JP2007302009	A	2007-11-22	JP2007302009
CN1238727	B	2010-06-02	CN1238727B



Abstract

(EP1007414)

In the system to form, fill and seal (FFS) flexible bags substantially according to Patent US-A 4,656,813 (EP-A 142.758) use is now made of: a total printing of the film as it winds off the supply reel; a dry cleaning; a gimballed aligning for the folding of the printed and washed film; a hot-bar welding of the folded film; a valve welding controlled by an algorithm; a humidification treatment of the valve cavity; a shaping of the bags by hot tools also controlled by an algorithm; and a high precision dosage of the filling liquid.

Inventors

SICCARDI ALBERTO

Latest standardized assignees - inventors removed

BAXTER BIOTECH TECHNOLOGY

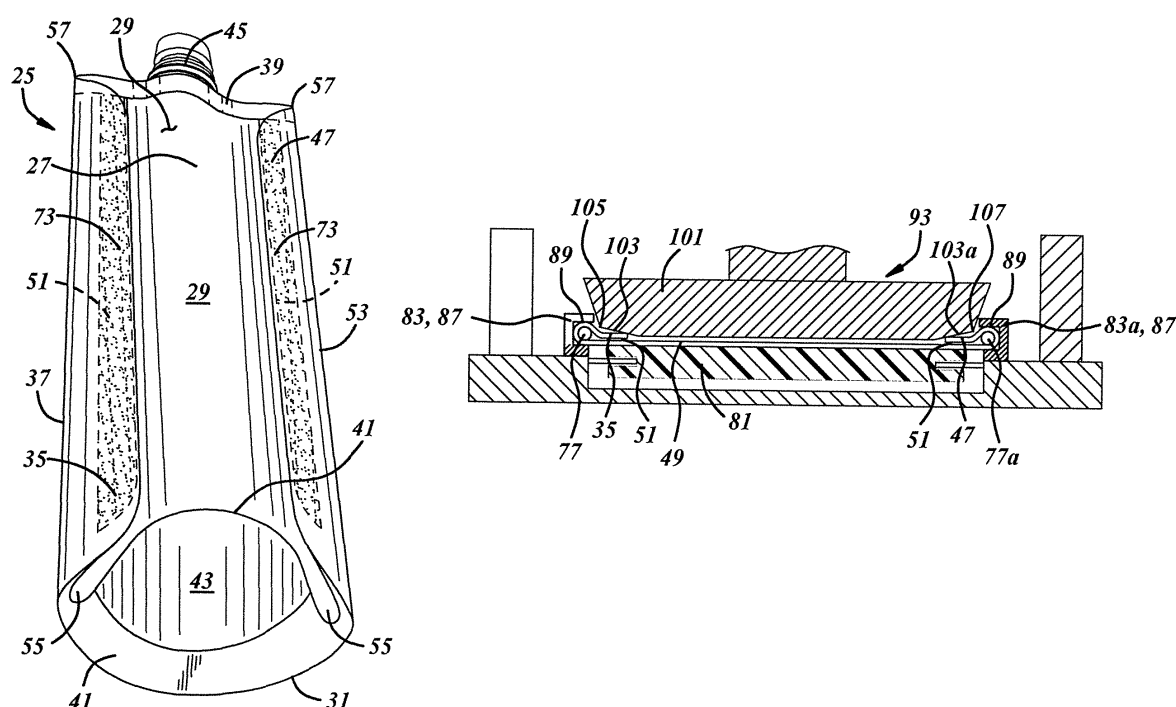
Family 56/100 - FAMPAT - ©Questel

Title

(WO201513706)

Pouch with smooth sides

Images



Publication data including kind & date

US20150030264	A1	2015-01-29	US20150030264
WO2015013706	A1	2015-01-29	WO201513706



[US20160083145](#)

A1 2016-03-24 US20160083145

[US9963270](#)

B2 2018-05-08 US9963270

**Abstract**

(WO201513706)

The present invention relates to a container having consumer friendly sides. The container has a front panel and a back panel, each having an exterior surface. A side sealed portion of the container is folded over and secured to the exterior surface of container. Securing the side sealed portion to the exterior surface of the container forms a smooth side with the portion of the container that is folded over, or flexed, to allow the side sealed portion to be secured to the front or back panel. A method for forming the container assembly, and a machine for manufacturing the container assembly are also disclosed.

Inventors

MURRAY CHARLES R

Latest standardized assignees - inventors removed

POUCH PAC INNOVATIONS

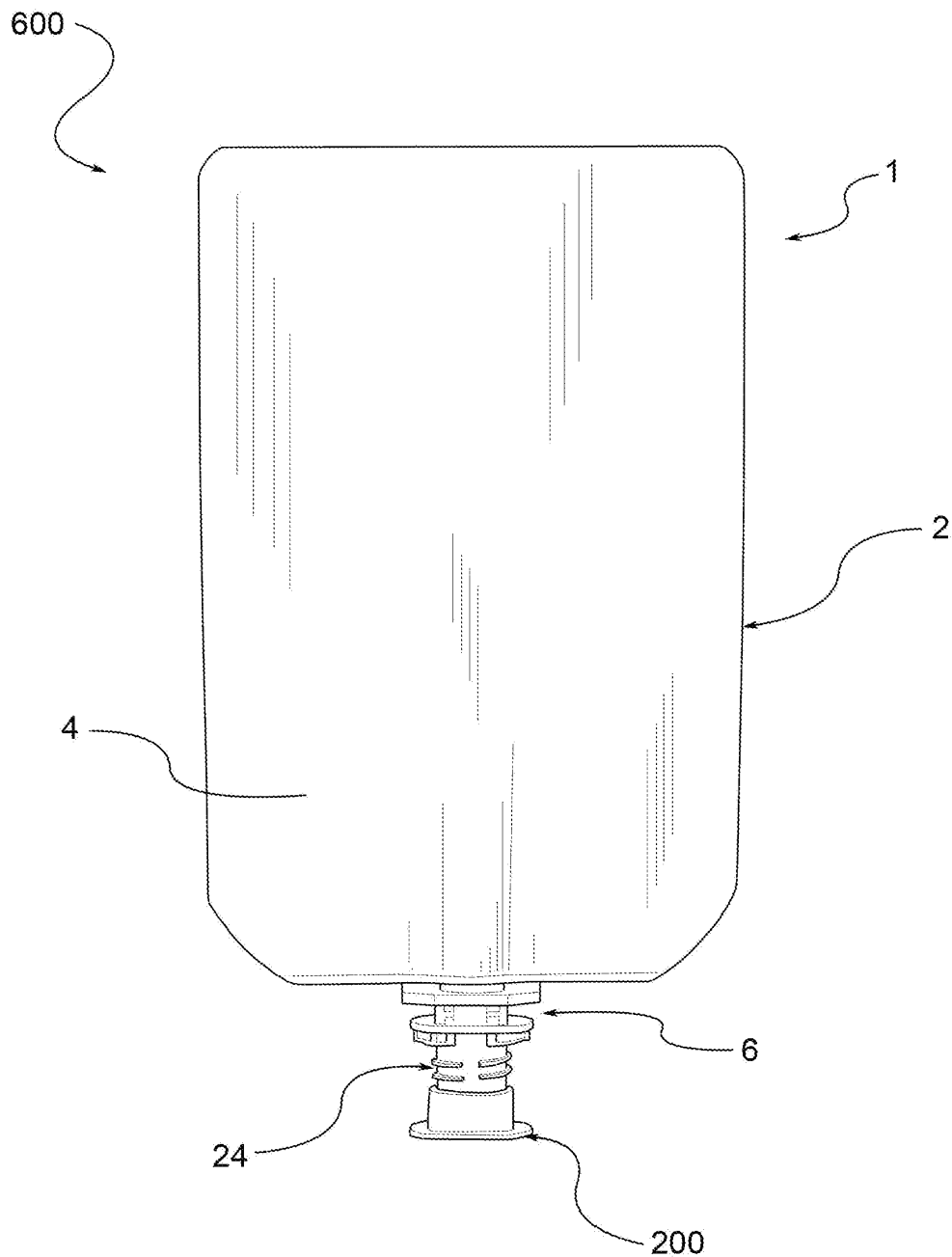
Family 57/100 - FAMPAT - ©Questel

Title

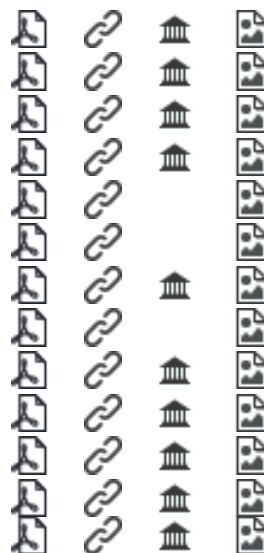
(EP3317188)

System for handling sterilization of thin body flexible containers (pouch)

Images


Publication data including kind & date

CA2990919	A1	2017-01-05	CA2990919
US20170001743	A1	2017-01-05	US20170001743
WO2017001947	A1	2017-01-05	WO201701947
AU2016285355	A1	2018-02-08	AU2016285355
CR20170603	A	2018-03-07	CR20170603
MX2018000289	A	2018-03-08	MX2018000289
BR112018000024	A1	2018-04-03	BR112018000024
CL2017003501	A1	2018-04-27	CL3501201700
CN107980032	A	2018-05-01	CN107980032
EP3317188	A1	2018-05-09	EP3317188
KR20180048567	A	2018-05-10	KR20180048567
US20180185528	A1	2018-07-05	US20180185528



[JP2018523615](#)

A 2018-08-23 JP2018523615

[BR112018000024](#)

A2 2018-09-04 BR112018000024

**Abstract**

(EP3317188)

A system for handling the sterilisation of thin-body, pouch-type, flexible containers (1), provides for applying sacrificial closures (200) to the pouches, loading the provisional closed pouches to be sterilised on a transport device (300) for collective transport, to performing the sterilisation of the transport device (300) carrying the provisional closed pouches and, finally, separating, in a sterile chamber, the sacrificial closures (200) from the pouches, performing filling and applying an inviolable cap (100).

Inventors

TAMARINDO STEFANO

Latest standardized assignees - inventors removed

GUALA PACK

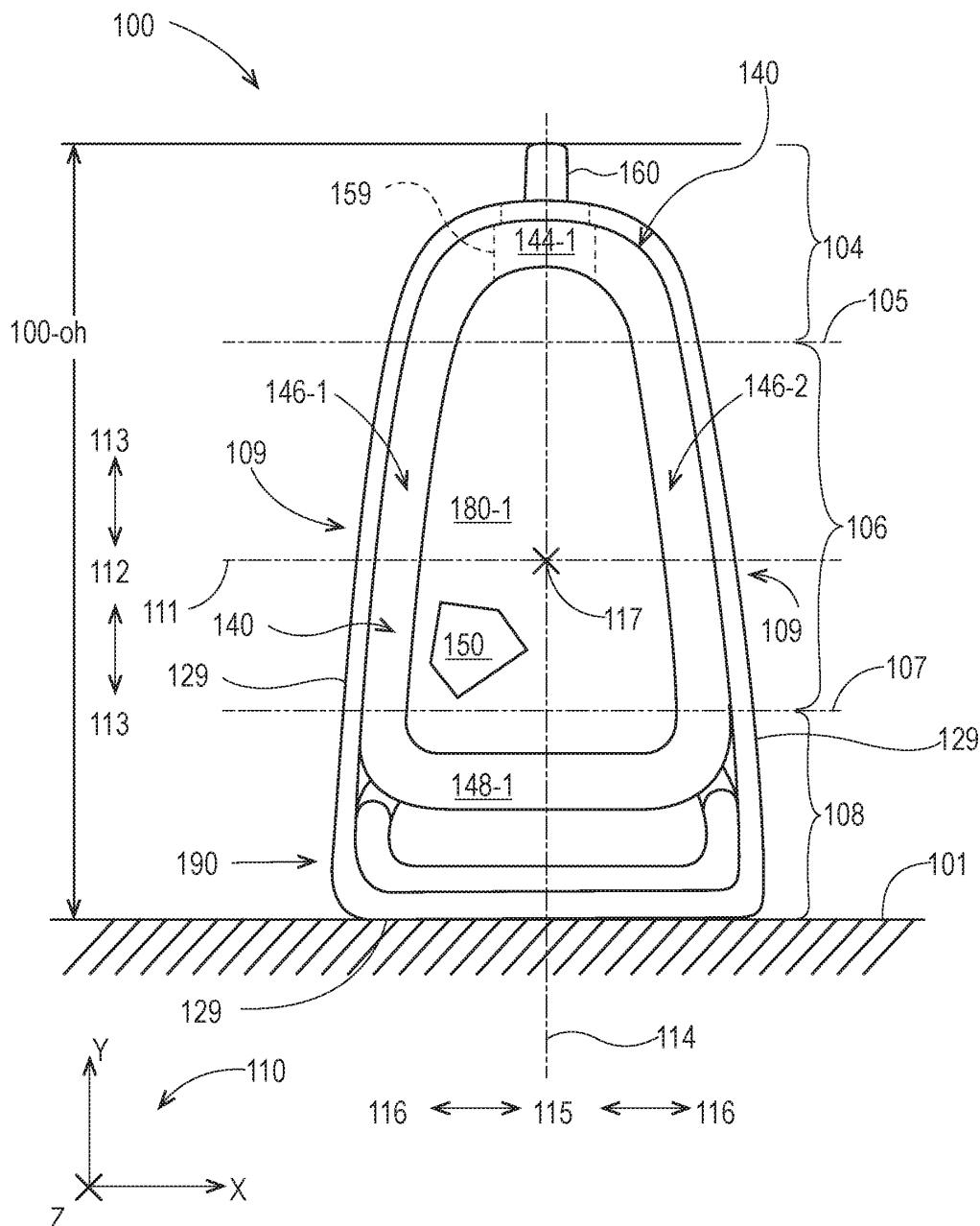
Family 58/100 - FAMPAT - ©Questel

Title

(EP3317198)

Flexible containers with removable portions

Images



Publication data including kind & date

CA2987956	A1	2017-01-05	CA2987956
US20170001782	A1	2017-01-05	US20170001782
WO2017004106	A1	2017-01-05	WO201704106
KR20180014064	A	2018-02-07	KR20180014064
CN107820479	A	2018-03-20	CN107820479
BR112017028461	A1	2018-04-03	BR112017028461
MX2017016580	A	2018-05-02	MX2017016580
EP3317198	A1	2018-05-09	EP3317198
JP2018519222	A	2018-07-19	JP2018519222
BR112017028461	A2	2018-08-28	BR112017028461



Abstract

(EP3317198)

A disposable flexible container (#2000 in Fig. 20A), configured for retail sale, wherein the container comprises: a multiple

dose product volume (#2050 in Fig. 20A) that directly contains a fluent product, wherein the product volume is made from one or more flexible materials, and wherein the fluent product is hermetically sealed within the product volume; a film structure (#2024-s in Fig. 21A) that includes: a first side with a first outer film laminate (#2024-ofl-1) and a first inner film laminate (#2024-ifl-1); and a second side with a second inner film laminate (#2024-ifl-2) and a second outer film laminate (#2024-ofl-2); a pathway of weakness (#2024-w) that extends across at least a portion of the film structure; an inner unsealed portion (#2024-iup) between the first inner film laminate and the second inner film laminate, disposed along at least a portion of the pathway of weakness; and a removable portion (#2024) disposed adjacent to the pathway of weakness; and wherein, when the removable portion is removed along the pathway of weakness the inner unsealed portion forms a dispenser (#2059) for dispensing the fluent product.

Inventors

ARENT LEE MATHEW

LESTER JOSEPH CRAIG

MCGUIRE KENNETH STEPHEN

YOU JUN

STANLEY SCOTT KENDYL

RAPACH ANDREW PAUL

Latest standardized assignees - inventors removed

PROCTER & GAMBLE

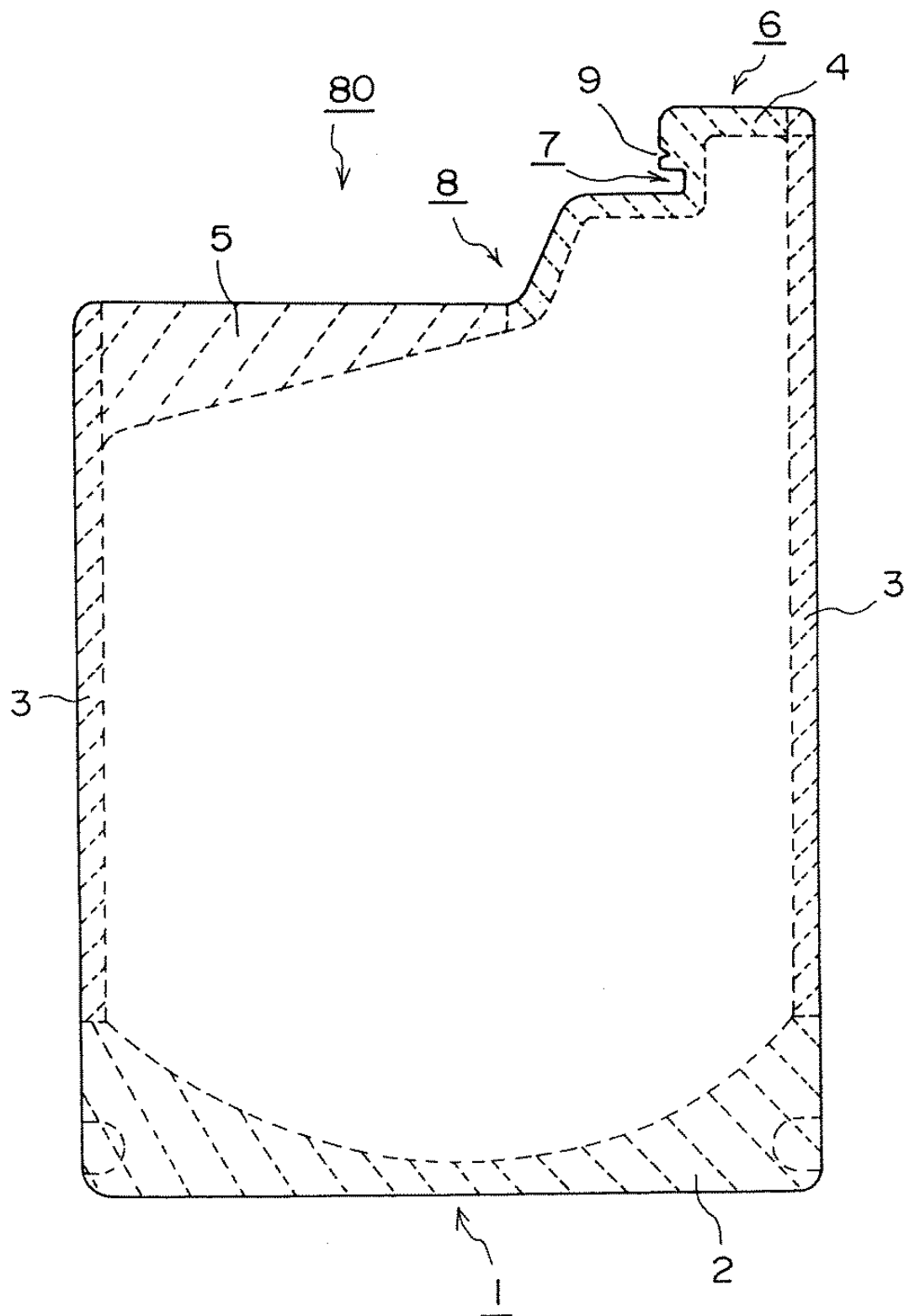
Family 59/100 - FAMPAT - ©Questel

Title

(JP2005187081)

Repacking pouch

Images



Publication data including kind & date

JP11208681	A	1999-08-03	JP11208681
JP2005187081	A	2005-07-14	JP2005187081
JP4028079	B2	2007-10-19	JP4028079
JP4171001	B2	2008-08-15	JP4171001



Abstract

(JP4171001)

PROBLEM TO BE SOLVED: To provide a repacking pouch with a sufficient productivity which is easy to manufacture a bag and to fill contents, such as a liquid state, and which can be used to fix a spout portion to the mouth portion of a

container securely when used, and which can be used to transfer the contents safely and easily with a stable stream up to the last, and which is inexpensive and is excellent in a usage aptitude.

SOLUTION: While the spout portion 6 of a shape which can turn upward is provided in the corner portion or in the proximity to the corner portion of a pouch upper portion, the repacking pouch 80 is composed by providing a concave notch portion 7 for engaging to the mouth portion of the container to the center side of the pouch upper portion of this spout portion 6 in the pouch of which the periphery is sealed by a heat seal and which can carry out the sealing packaging of the contents, such as the liquid state. Moreover, when engaging the above concave notch portion 7 to the mouth portion of the container by tilting the pouch, it is also preferred to further provide the notch portion 8 of a shape corresponding to the shape of the trunk of the body from the shoulder of the container in the end edge portion of the pouch upper portion.

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Inventors

HAYASHI MASAYASU

NAKAGOME TAKASHI

AOKI YOSHITAKA

OHASHI TAKASHI

Latest standardized assignees - inventors removed

DAI NIPPON PRINTING

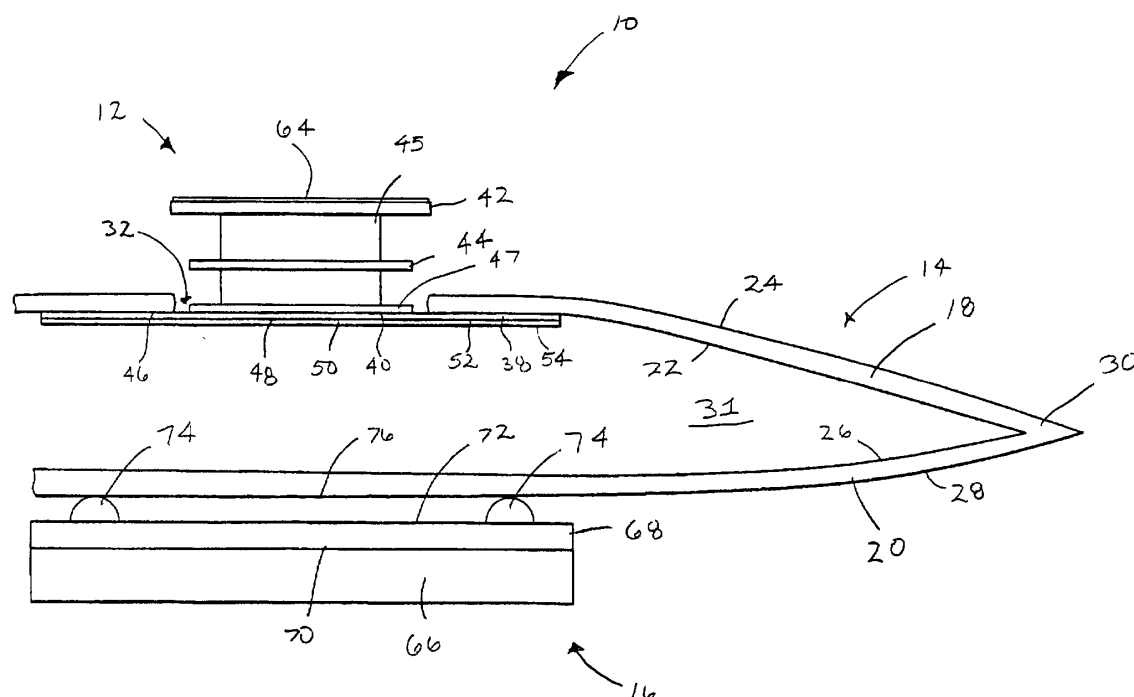
Family 60/100 - FAMPAT - ©Questel

Title

(WO200431041)

Patch for flexible container

Images



Publication data including kind & date

[US20040065056](#) A1 2004-04-08 US20040065056

[WO2004031041](#) A1 2004-04-15 WO200431041

[AU2002330198](#) A1 2004-04-23 AU2002330198



Abstract

(WO200431041)

The present invention provides a container system (10) for flowable materials including a front wall (18) having an inner surface and an outer surface, and a back wall (20) having an inner surface and an outer surface. There is an opening (32)

The invention relates to a method for packaging a liquid or non-liquid, foodstuff or non-foodstuff, sterile or non-sterile product in a flexible bag, characterised in that a continuous strip (1) is produced of flexible bags (2) in at least two rows (1A, 1B, 1C, 1D) by superimposing and welding of at least two films (3, 4) of a suitable synthetic material, by successive stamping and welding operations at regular intervals, a plug (6) is previously fitted to one (3) of said films (3, 4) for filling and the subsequent housing of a stopper (12) and the strip (1) of flexible bags (2) produced thus is packaged in a suitable sealed transport box (8). The invention further relates to a plant and a plug/tap unit for carrying out said method.

Inventors

MINAUD THIERRY

TROTIGNON FRANCK

CAPELLE MICHEL

PONTCHARRAUD DIDIER

LALLEMENT CENDRINE

Latest standardized assignees - inventors removed

SMURFIT KAPPA BAG BOX

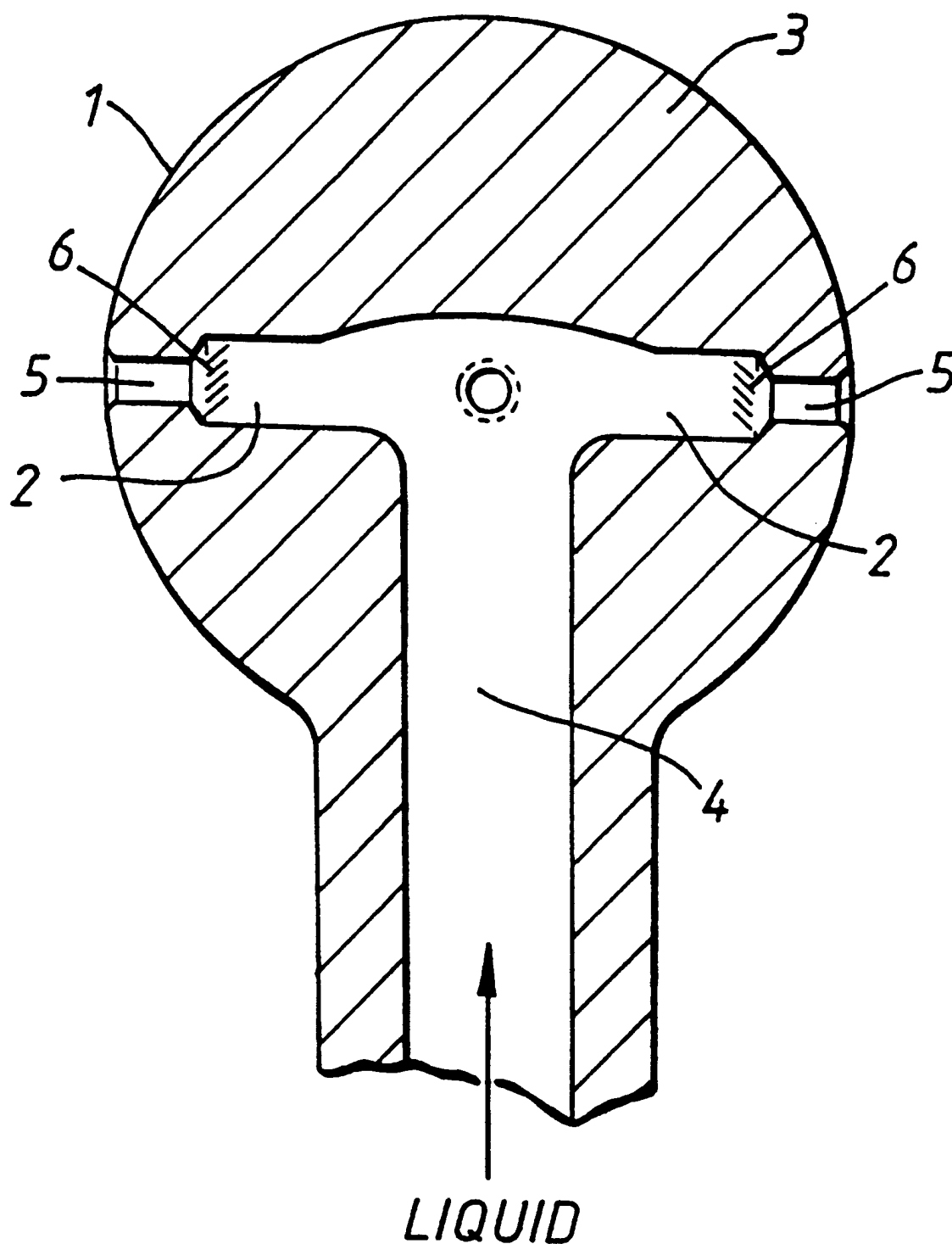
Family 62/100 - FAMPAT - ©Questel

Title

(EP-938372)

Nozzle for atomizing a fluid in a fluidised bed

Images

FIG. 1**Publication data including kind & date**

GB9622715	D0	1997-01-08	GB9622715
WO9818548	A1	1998-05-07	WO9818548
CA2270049	A1	1998-05-07	CA2270049
ZA9709619	B	1998-05-21	ZA9709619
AU4717397	A	1998-05-22	AU9747173



NO992078	D0	1999-04-29	NO9902078				
ID21359	A	1999-05-27	ID--21359				
NO992078	A	1999-06-30	NO9902078				
TR199900937	T2	1999-08-23	TR199900937				
EP0938372	A1	1999-09-01	EP-938372				
VN3545	A	1999-09-25	VN---3545				
BR9712612	A	1999-10-26	BR9712612				
BRPI9712612	A1	1999-10-26	BRPI9712612				
PL333020	A1	1999-11-08	PL97333020				
EA199900386	A1	1999-12-29	EA199900386				
CN1242716	A	2000-01-26	CN1242716				
BG103431	A	2000-01-31	BG-103431				
AU715615	B2	2000-02-03	AU-715615				
SK53799	A3	2000-02-14	SK9900537				
HU9904298	A2	2000-04-28	HU209904298				
HU9904298	A3	2000-05-29	HU9904298				
AR010258	A1	2000-06-07	AR--10258				
KR20000052958	A	2000-08-25	KR20000052958				
NZ335267	A	2000-10-27	NZ-335267				
TW413684	B	2000-12-01	TW-413684				
JP2001503318	A	2001-03-13	JP2001503318				
US6214943	B1	2001-04-10	US6214943				
EG21518	A	2001-11-28	EG--21518				
EA002084	B1	2001-12-24	EA--2084				
EP0938372	B1	2002-08-28	EP-938372				
AT222799	T	2002-09-15	ATE222799				
DE69715027	D1	2002-10-02	DE69715027				
DE69715027	T2	2002-12-19	DE69715027				
PT938372	E	2002-12-31	PT-938372				
ES2183143	T3	2003-03-16	ES2183143				
CN1115193	C	2003-07-23	CN1115193C				
SK283622	B6	2003-10-07	SK-283622				
BG64078	B1	2003-12-31	BG--64078				
DZ2342	A1	2004-06-20	DZ---2342				
KR100466302	B1	2005-01-13	KR100466302				
PL189074	B1	2005-06-30	PL-189074				
HU224477	B1	2005-09-28	HU-224477				
IN3088/DEL/1997	A	2006-01-27	IN1997DE03088				
MY122144	A	2006-03-31	MY-122144				
CA2270049	C	2006-07-25	CA2270049				
BRPI9712612	B1	2008-05-20	BR9712612				
IN233014	B	2009-03-27	IN-233014				

Abstract

(EP-938372)

A continuous gas fluidised bed process for the polymerisation of olefins, especially ethylene, propylene, or mixtures thereof with other alpha-olefins by cooling the recycle gas stream to condense some liquid (e.g., a comonomer), separating at least part of the liquid and spraying it under pressure through a nozzle (1) directly into the fluidised bed by pressurising the liquid and feeding it to a spray nozzle (1) having a mechanical device (6) for atomising the liquid, under conditions such that the

spray is formed within a spray-forming zone (5) of the nozzle outlet. The spray-forming zone (5) is preferably shielded from the fluidised bed particles by a wall or walls which can be, for example, a tube or a plate. Also described is a nozzle having two or more series of outlets, each series being fed and controlled independently to enable improved turn-up/turn-down of the liquid supply to the bed.

Inventors

NEWTON DAVID

POWER MICHAEL BERNARD

Latest standardized assignees - inventors removed

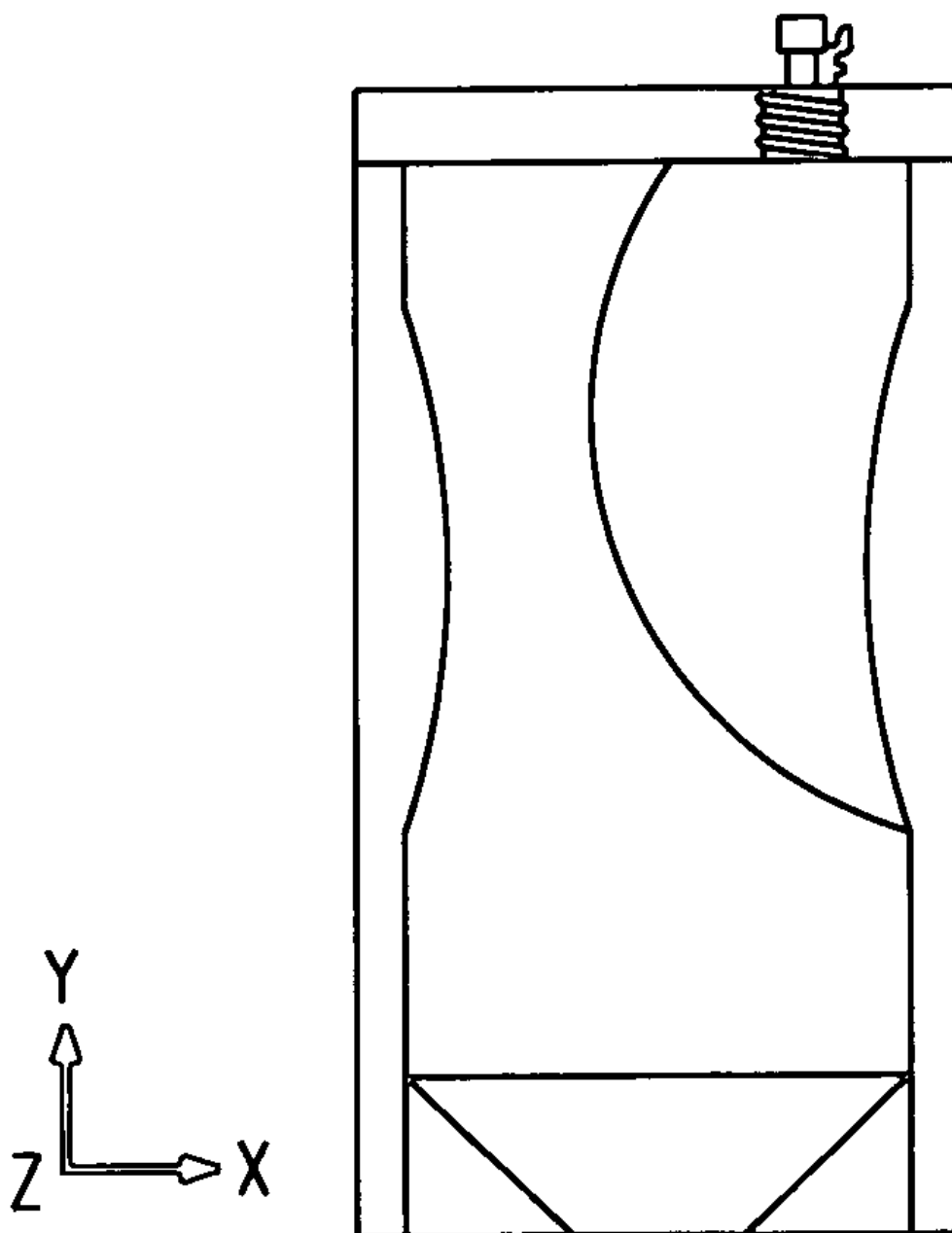
INEOS

Family 63/100 - FAMPAT - ©Questel

Title

(EP2204338)

Multiple compartment pouch and beverage container with frangible seal

Images

Publication data including kind & date

US20040118710	A1	2004-06-24	US20040118710				
WO2004058594	A2	2004-07-15	WO200458594				
CA2510634	A1	2004-07-15	CA2510634				
AU2003297403	A1	2004-07-22	AU2003297403				
WO2004058594	A3	2004-11-04	WO200458594				
EP1572556	A2	2005-09-14	EP1572556				
BR0316778	A	2005-10-25	BR200316778				
BRPI0316778	A1	2005-10-25	BRPI0316778				
CN1729130	A	2006-02-01	CN1729130				
MXPA05006660	A	2006-03-10	MX2005PA006660				
JP2006511409	A	2006-04-06	JP2006511409				
US7055683	B2	2006-06-06	US7055683				
US7306095	B1	2007-12-11	US7306095				
CN100548832	C	2009-10-14	CN100548832C				
JP4489703	B2	2010-04-09	JP4489703				
EP2204338	A1	2010-07-07	EP2204338				
BRPI0316778	A2	2014-02-25	BR200316778				
BRPI0316778	B1	2016-11-16	BR200316778				
BRPI0316778	B8	2016-11-16	BRPI0316778				
BRPI0316778	B8	2017-05-30	BR200316778				

Abstract

(EP2204338)

A polymeric film, multiple-compartment, pouch (18) having an internal frangible seal (20) for confining a fluid and related beverage container (10) with a re-closable fitment (26) for storing and delivering two different flavored liquids or the like. The frangible seal (20) of the clear plastic pouch (18) will burst when sustained squeezed thus allowing the flavours to swirl and mix within the pouch.

Inventors

BOURQUE RAYMOND ANTHONY

CHUNG DANIEL YOUNG-DOO

ESTABROOK RICHARD M

HAHM DIANE MCCAULEY

HENDERSON JAMES L

KORNICK JOSEPH

LEE I-HWA

OLIVARES-CORDOBA JOSE TIRSO

VISIOLI DONNA LYNN

KANE JAMES P

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

OCEAN SPRAY CRANBERRIES

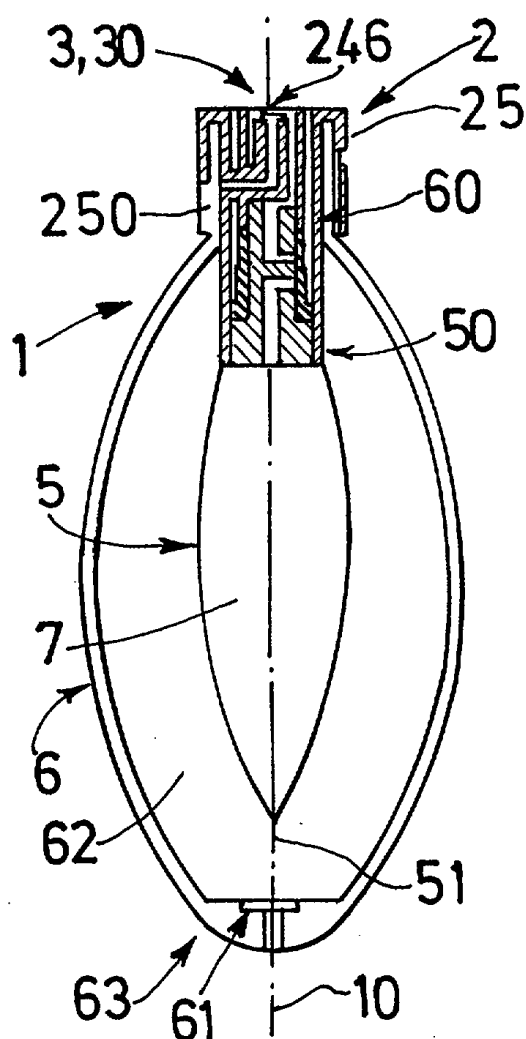
Family 64/100 - FAMPAT - ©Questel

Title

(FR2821766)

Dispenser for fluid esp cosmetic product has supple pouch inside compressible bulb with air inlet valve

Images



Publication data including kind & date

FR2821766	A1	2002-09-13	FR2821766
FR2821766	B1	2003-10-24	FR2821766



Abstract

(FR2821766)

The 'airless' dispenser (1) for a fluid and typically cosmetic product (7), has a rigid head (3) with a channel, valve and outlet (246), a supply pouch (5) containing the product and sealed to the head, and an outer compressible bulb (6) with an air inlet valve (61). The bulb, made from rubber, elastomer or thermoplastic, is also sealed to the dispensing head and forms an air space (62) round the pouch, allowing the pouch to be compressed to expel a portion of the product when the bulb is squeezed in the hand. When released, the bulb resumes its original shape by drawing in air through the valve (61).

Inventors

DECOTTIGNIES LAURENT

BEHAR ALAIN

Latest standardized assignees - inventors removed

AIRLESSYSTEMS

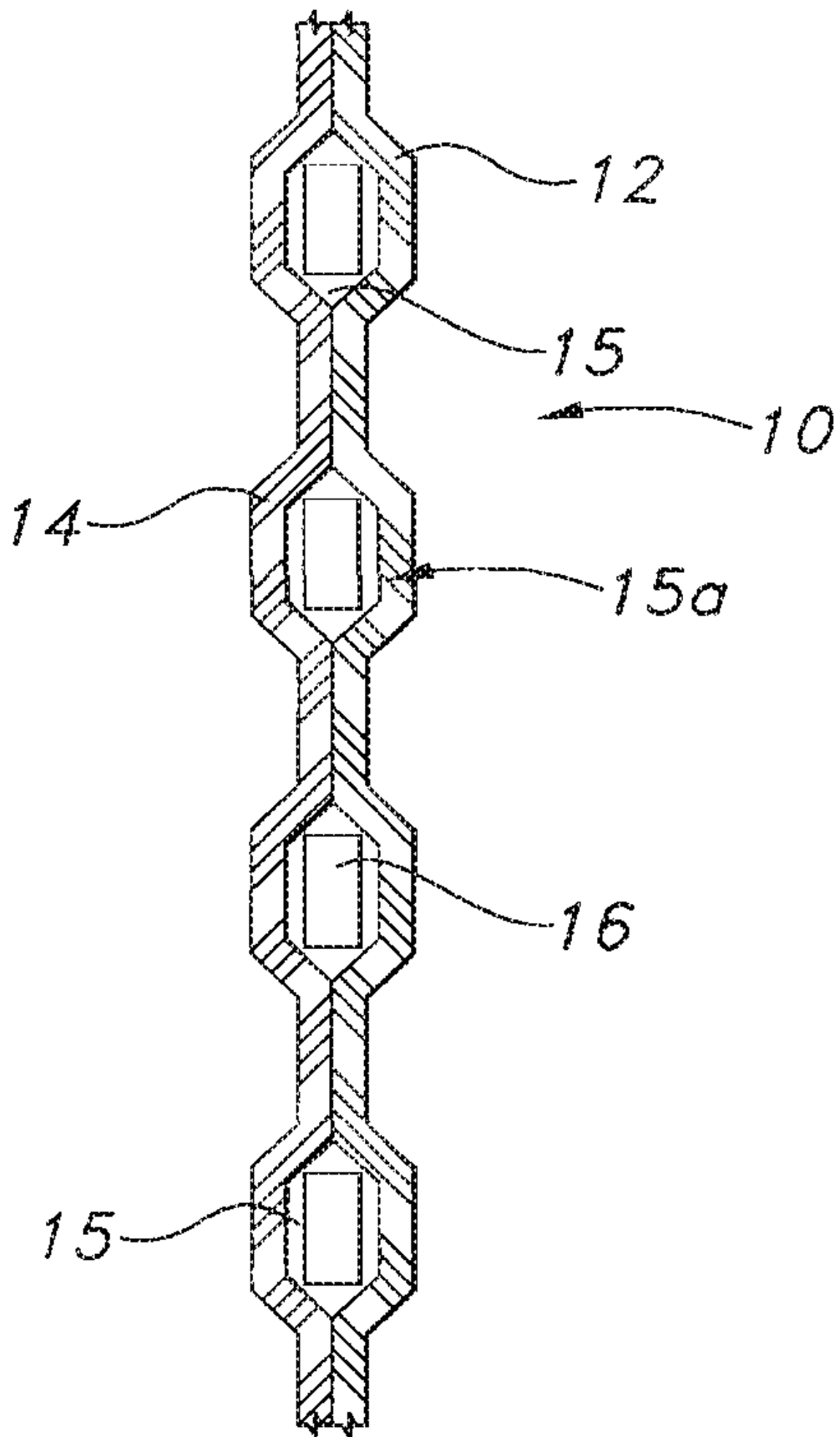
Family 65/100 - FAMPAT - ©Questel

Title

(EP2475591)

Soft-sided flexible blister package

Images



WO2011031654	A1	2011-03-17	WO201131654				
MX2012002849	A	2012-04-11	MX2012002849				
EP2475591	A1	2012-07-18	EP2475591				
CN102686492	A	2012-09-19	CN102686492				
US20120241347	A1	2012-09-27	US20120241347				
JP2013503794	A	2013-02-04	JP2013503794				
JP2014177307	A	2014-09-25	JP2014177307				
JP5815528	B2	2015-10-02	JP5815528				
CN102686492	B	2015-11-25	CN102686492B				
EP2475591	B1	2016-05-04	EP2475591				
JP5986135	B2	2016-08-12	JP5986135				
MX341328	B	2016-08-16	MX-341328				
ES2584558	T3	2016-09-28	ES2584558				
PL2475591	T3	2017-03-31	PL2475591				

Abstract

(EP2475591)

A flexible package (10) is provided for a consumable product. The flexible package includes a pair of flexible packaging films (12, 14) for enclosing the product therebetween. The films are bonded together to define a perimeter seal for surrounding the product. One of the films may be rupturable so as to allow dispensing of the product through the film under manual pressure.

Inventors

BOWERS PAUL K

GLYDON JAMES

Latest standardized assignees - inventors removed

INTERCONTINENTAL GREAT BRANDS

Family 66/100 - FAMPAT - ©Questel

Title

(EP1381548)

Flexible container and method for manufacturing the same

Images

Abstract

(EP1381548)

A container of a collapsible type for liquid or pulverulent contents, comprising a compartment (3) which is defined by flexible walls and whose volume depends on the relative position of the walls, said walls comprising two opposite side walls (2) with edge portions (4) which engage each other and along which the side walls (2) are joined in a common connecting portion (5). The compartment (3) is sealed in the empty state of the container before filling. The container is characterised by a duct-defining portion (6), which is arranged inside said connecting portion and along which said side walls (2) are joined with each other. The duct-defining portion (6) comprises two mutually separated weld joints (11) which define a duct (7) extended between the side walls (2), which at a first end communicates with said compartment (3) and at a second end connects to and is sealed by a duct-sealing part (10) of said connecting portion (5). The present invention also concerns a method for manufacturing such a container.

Inventors

ROSEN AKE

Latest standardized assignees - inventors removed

ECO LEAN RESEARCH & DEVELOPMENT

Family 67/100 - FAMPAT - ©Questel

Title

(JP2001048197)

Refill pouch

Images

instance, into the standing pouch type, and cutting line 7 for forming a pouring outlet is formed on a part of an upper section, and out of laminated films 1 of the pouch 100, at least a film of same material quality as that of a sealant layer is laminated on an innermost face of a section, which is represented by a section 6 whereon the laminated film of the upper section whereon at least a pouring outlet 10 is formed thick, to form the section itself thick, and a part of a swelling section S for improving the opening properties is so formed as to cross the cutting line 7. It is preferable to provide easily unsealing means such as notches 8, 8 or the like on the ends of the cutting line 7.

Inventors

AOKI YOSHITAKA

Iwase Tatsuhiko

Nana Sugimoto

OTSUKA YASUSHI

OHASHI TAKASHI

Latest standardized assignees - inventors removed

DAI NIPPON PRINTING

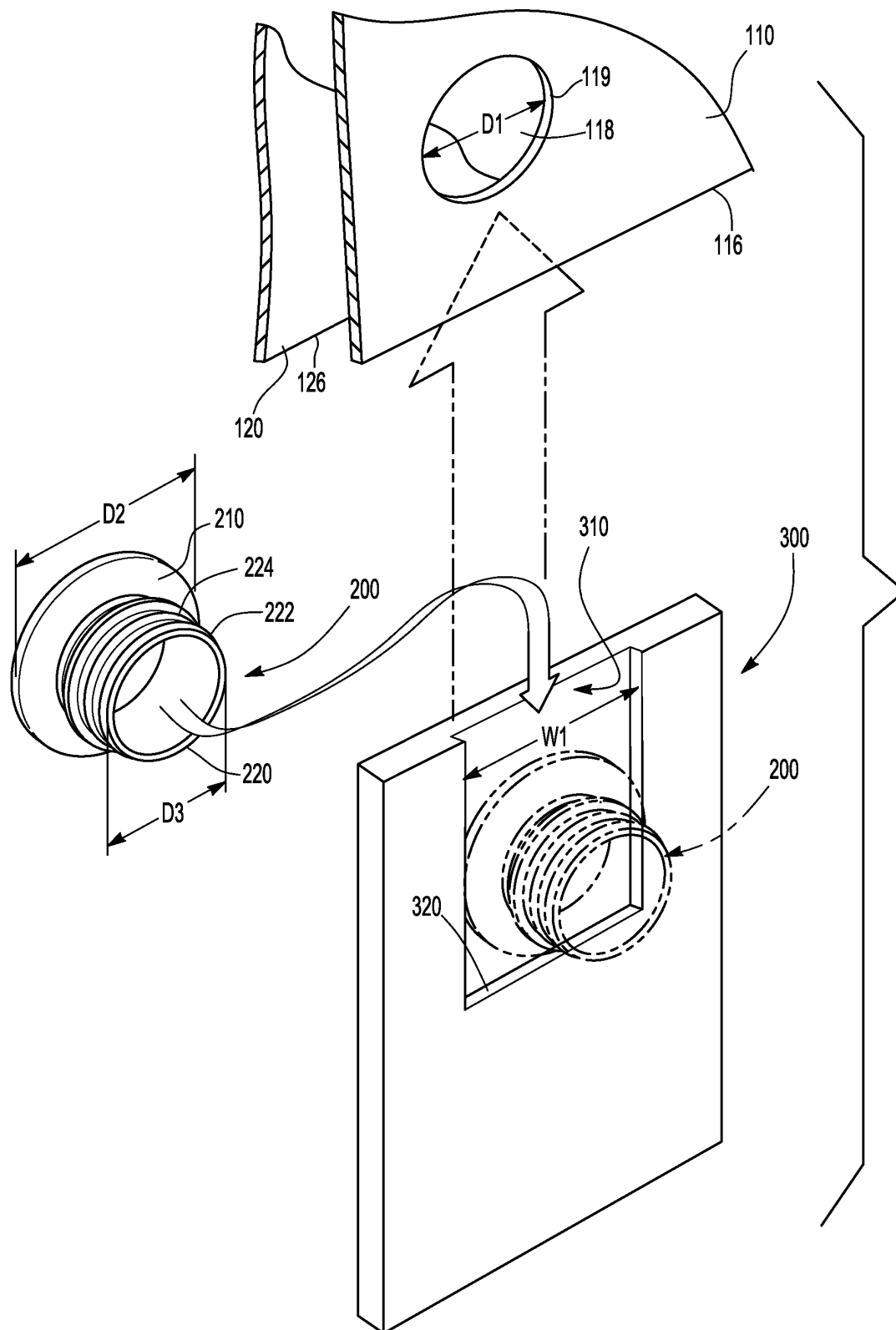
Family 68/100 - FAMPAT - ©Questel

Title

(WO201132162)

Pouch with tube spout fitment

Images



Publication data including kind & date

WO2011032162	A2	2011-03-17	WO201132162
US20110061222	A1	2011-03-17	US20110061222
WO2011032162	A3	2011-08-11	WO201132162
US8745836	B2	2014-06-10	US8745836
US20140246455	A1	2014-09-04	US20140246455
US9957148	B2	2018-05-01	US9957148



Abstract

(WO201132162)

A process for placing a tube spout fitment within a flexible pouch container is provided. The process can include providing a front panel and a back panel, each panel having a top edge, a side edge, and a bottom edge. In addition, the front panel can also have an aperture. A fitment having a fitment base and a spout extending from the fitment base is provided and placed through the aperture using a plate with a channel and a channel stop.

Inventors

MURRAY R CHARLES

Latest standardized assignees - inventors removed

POUCH PAC INNOVATIONS

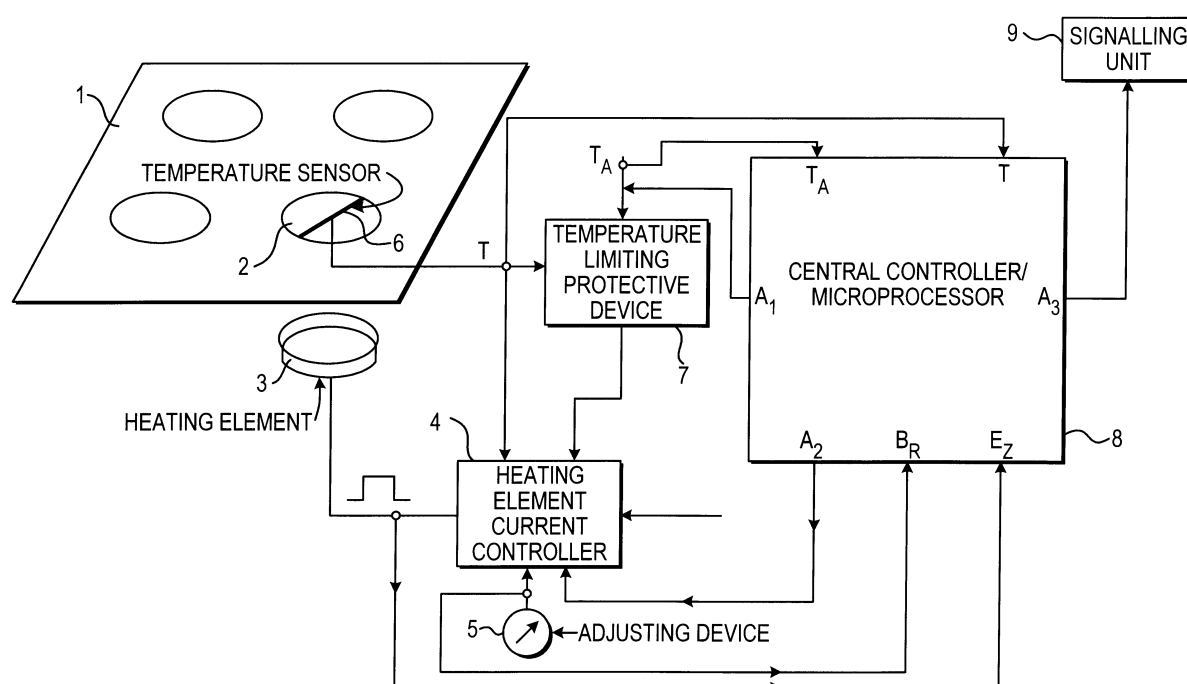
Family 69/100 - FAMPAT - ©Questel

Title

(EP1193187)

Nozzle of fluid container and fluid container having the nozzle

Images



Publication data including kind & date

EP1028602	A2	2000-08-16	EP1028602
DE19906115	C1	2000-08-31	DE19906115
JP2000240949	A	2000-09-08	JP2000240949
WO200068105	A1	2000-11-16	WO200068105
CA2370373	A1	2000-11-16	CA2370373
AU3459100	A	2000-11-21	AU200034591
JP2001192045	A	2001-07-17	JP2001192045
US6300606	B1	2001-10-09	US6300606
TW467849	B	2001-12-11	TW-467849
EP1028602	A3	2002-01-02	EP1028602
KR20020007408	A	2002-01-26	KR20020007408
EP1193187	A1	2002-04-03	EP1193187
CN1355755	A	2002-06-26	CN1355755
US6776307	B1	2004-08-17	US6776307
US20040159674	A1	2004-08-19	US20040159674
US20040226646	A1	2004-11-18	US20040226646



EP1028602	B1	2005-03-30	EP1028602				
DE59911842	D1	2005-05-04	DE59911842				
US6932241	B2	2005-08-23	US6932241				
ES2238809	T3	2005-09-01	ES2238809				
CN1230359	C	2005-12-07	CN1230359C				
JP3750012	B2	2005-12-16	JP3750012				
HK1046261	A1	2006-03-17	HK1046261				
KR100695561	B1	2007-03-19	KR100695561				
EP1193187	A4	2007-06-20	EP1193187				
CA2370373	C	2009-01-27	CA2370373				
DE60045510	D1	2011-02-24	DE60045510				
EP1193187	B1	2011-12-21	EP1193187				

Abstract

(EP1193187)

A nozzle (1) attached to the tip of a fluid container which is formed of two flexible sheets (5) overlapped with each other and has their internal surfaces which are fitted to each other in a normal state after a content is filled into the container; a container (2) having such a nozzle (1), whereby even a very small portion of the content remaining in the container (2) can be removed by a required amount without being in contact, in the least, with air.

Inventors

HAGIHARA TADASHI

Latest standardized assignees - inventors removed

SCHOTT

Family 70/100 - FAMPAT - ©Questel

Title

(EP3077303)

Dispenser for dispensing flowable material

Images

JP2016539058	A	2016-12-15	JP2016539058				
BR112016012892	A1	2017-05-23	BR112016012892				
EP3077303	A1	2017-12-06	EP3077303				
HK1231448	A1	2017-12-22	HK1231448				
TWI651070	B	2019-02-21	TWI651070				
AU2014360469	B2	2019-03-07	AU2014360469				

Abstract

(EP3077303)

In one aspect, a dispenser is provided herein for dispensing flowable material, such as sunscreen lotion, including a resiliently deformable body encompassing a closed volume with an optional flexible pouch disposed therein to accommodate the flowable material. A discharge element is also provided having at least one discharge opening, along with at least one valve regulating flow from the closed volume or the flexible pouch and through the discharge opening. The body is configured so that a threshold amount of deformation of the body causes the flowable material to urge from the closed body through the discharge opening or the pressure increase of the closed volume acting on the flexible pouch sufficiently so that flowable material accommodated in the flexible pouch is urged therefrom through the discharge opening. Advantageously, the dispenser of the subject invention allows for a generally isobaric environment to be created which acts evenly about the flexible pouch. This allows for a more even application of pressure acting against, and a more complete depletion, of the optional flexible pouch.

Inventors

SIMPSON MELISSA MARIE

LI RUTAO

FOSTER JERRY V III

GAMBOA JOSE

JOHNSON MARTIN

ZWONITZER STEPHEN JOEL

SCHMIDT ERIC J

Latest standardized assignees - inventors removed

BAYER CONSUMER CARE

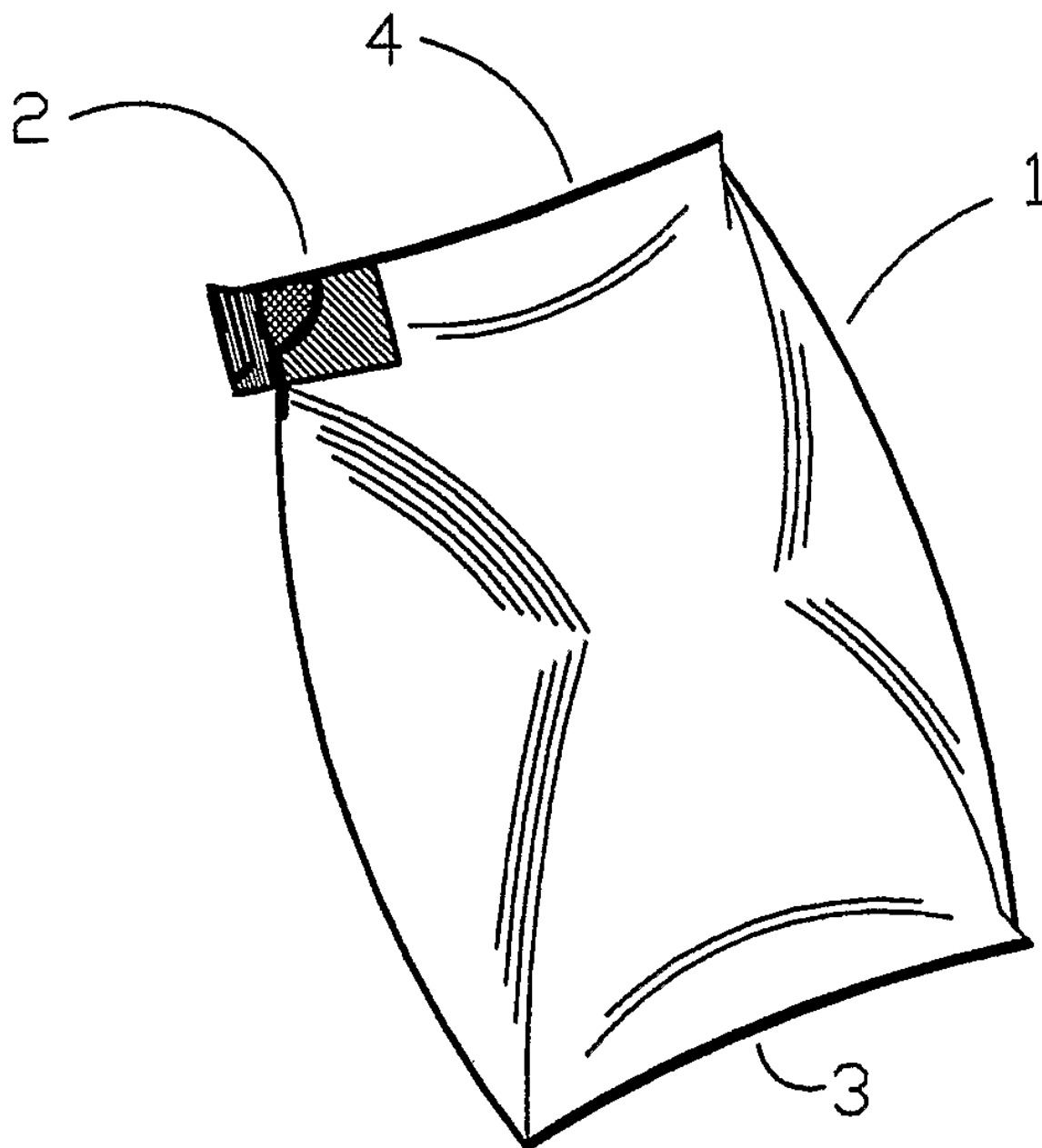
Family 71/100 - FAMPAT - ©Questel

Title

(WO200445981)

Removable slit cover for flexible plastic containers

Images

**Publication data including kind & date**[WO2004045981](#)

A1 2004-06-03

WO200445981

[AU2002342481](#)

A1 2004-06-15

AU2002342481

**Abstract**

(WO200445981)

A flexible container (1) is provided with an improved cover (2) forming a seal over a preformed opening (16) in the container (1). The container (1) and cover (2) may be made of plastic film or plastic foil. The cover (2) is secured to the container. One portion of the cover (2) includes a pull tab (7) and also forms a reinforced removable band (34) which is part of the seal. Another portion of the cover forms part of reinforced collar positioned around the preformed opening, opposite the reinforced band. A tear zone follows a line between the reinforced band and the reinforced collar. To open the container (1), the removable portion is pulled by the tab (7), along a line within the tear zone, to separate the seal from the reinforced collar. The collar may be provided with a memory to preferentially close the opening after the container (1) is opened. In some instances, the opening is preformed on the cover (2) and the container wall overlies the opening. A method of making the flexible container is also described.

Inventors

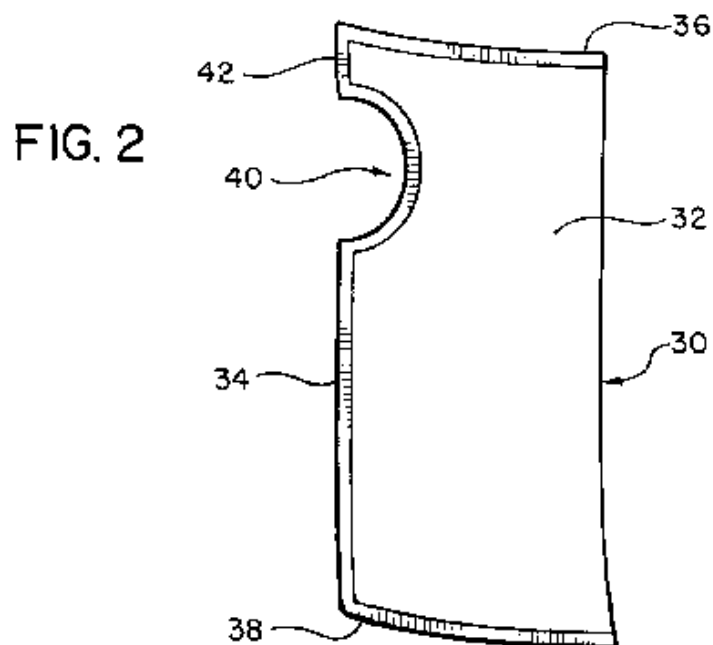
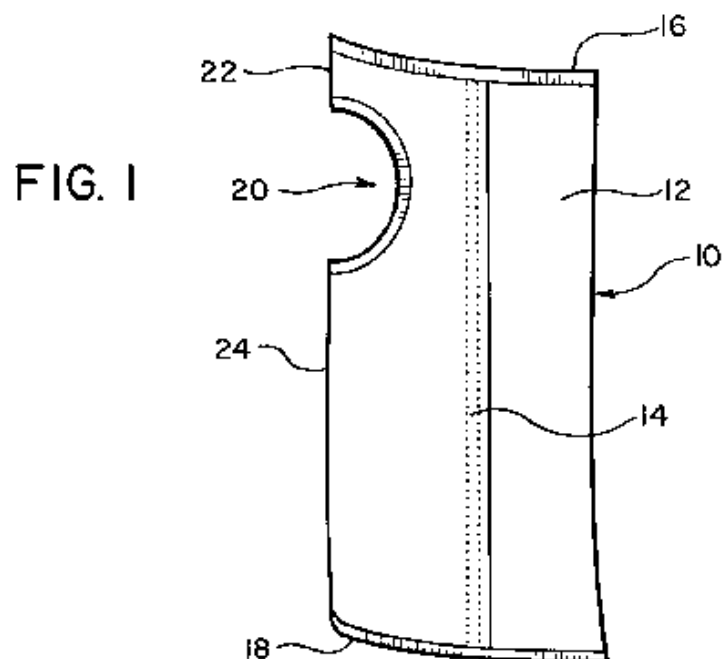
LAFOND LUC MARCEL

Family 72/100 - FAMPAT - ©Questel

Title

(EP-918705)

Pouch for containing liquids

Images**Publication data including kind & date**

WO9801362	A1	1998-01-15	WO9801362
AU3372597	A	1998-02-02	AU9733725
US5806983	A	1998-09-15	US5806983
EP0918705	A1	1999-06-02	EP-918705



BR9710144	A	1999-08-10	BR9710144
BRPI9710144	A1	1999-08-10	BRPI9710144
AR007810	A1	1999-11-24	AR---7810
AU721359	B2	2000-06-29	AU-721359
EP0918705	B1	2000-07-19	EP-918705
AT194807	T	2000-08-15	ATE194807
DE69702614	D1	2000-08-24	DE69702614
ES2150263	T3	2000-11-16	ES2150263



Abstract

(EP-918705)

A pouch package (30) is formed that has a multilayer structure of two or more layers where the longitudinal seal (34) is formed from a bonding of the inner layer to the inner layer in a fin seal arrangement. One layer of the multilayer structure is a seal layer and another layer a barrier layer. There can be additional layers such as additional barrier layers and cutter lubricant layers. It is preferred that the multilayer structure has two to four layers (not counting adhesive tie layers) and that the inner seal layer be readily sealable by means of radio frequency energy. The longitudinal seal (34) will preferably be along a side surface so as to have a spout. The pouch (30) is made on form/fill equipment from a multilayer sheet by the multilayer sheet being formed into a tubular member with a longitudinal seal (34). A lower seal (38) then is formed, the pouch (30) filled and severed from the adjacent tubular member. The pouch (30) will contain products such as bleaches, fabric softeners, soaps, glass cleaners and bath and shower gels and lotions.

Inventors

MILLON JOEL

NGUYEN QUANG

TRIVEDI VIREN

GORDON TODD VAN

SWANSON JOHN

Latest standardized assignees - inventors removed

COLGATE PALMOLIVE

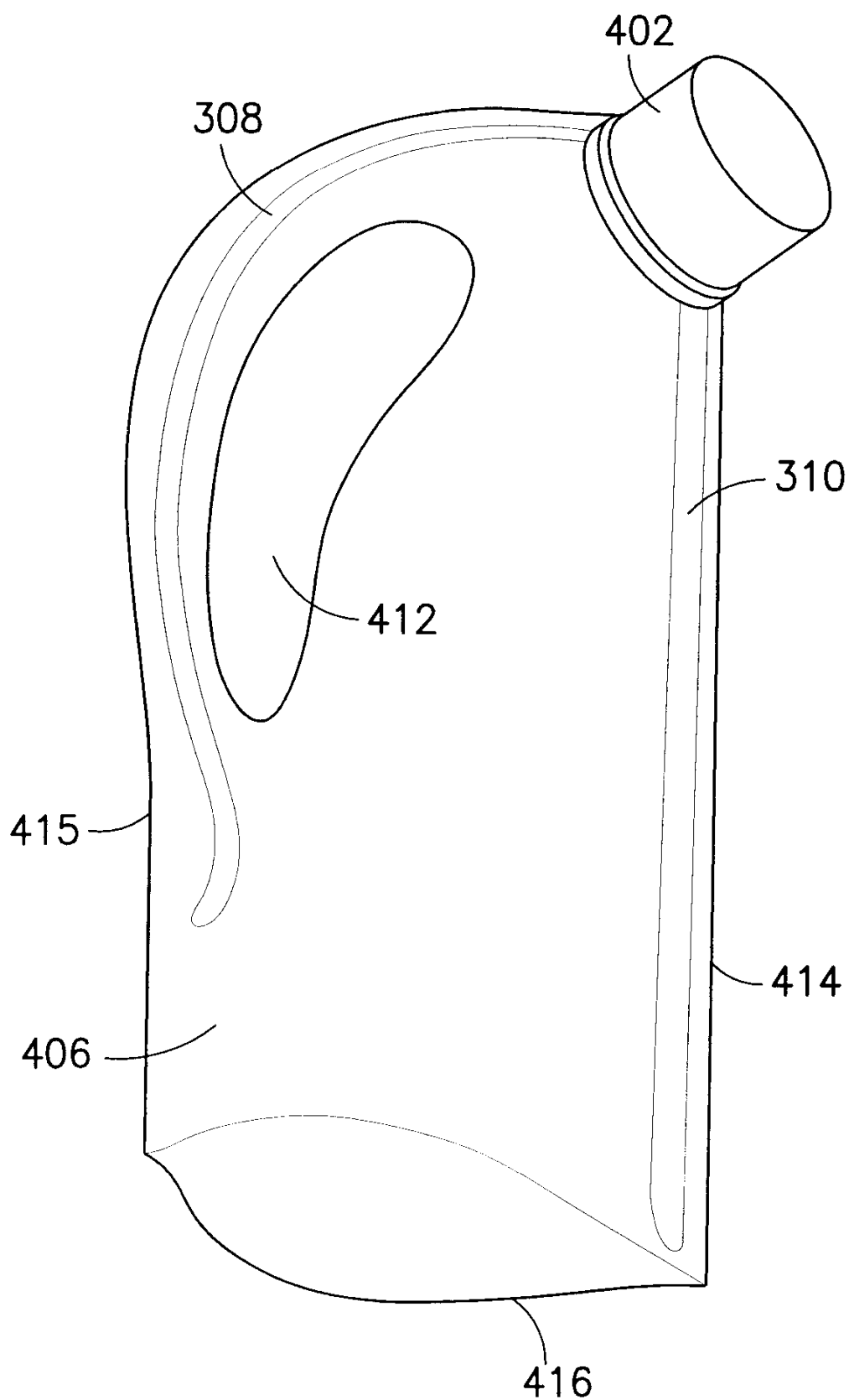
Family 73/100 - FAMPAT - ©Questel

Title

(EP2776328)

Pouch with rigid handle and supports and method of making

Images

**Publication data including kind & date**

WO2013071220	A1	2013-05-16	WO201371220
US20130129260	A1	2013-05-23	US20130129260
EP2776328	A1	2014-09-17	EP2776328
SG11201402232X	A	2014-09-26	SG11201402232X



US8992084	B2	2015-03-31	US8992084
US20150239618	A1	2015-08-27	US20150239618
EP2776328	A4	2015-09-02	EP2776328
EP2776328	B1	2017-04-05	EP2776328
BR112014011445	A1	2017-08-29	BR112014011445
BR112014011445	A2	2017-09-19	BR112014011445
US20180170622	A1	2018-06-21	US20180170622
US10189609	B2	2019-01-29	US10189609



Abstract

(EP2776328)

Provided are pouches with rigid handles and/or internal supports and methods of making such pouches. In one aspect, a pouch with internal support includes a flexible pouch including a fitment coupled to a flexible pouch body and at least one inner support piece coupled to the fitment and extending into the inside of the pouch through the interior of the fitment. The fitment includes a fitment inner engagement feature and the at least one inner support piece includes an inner support engagement feature and at least one inner support extending from the inner support engagement feature. The fitment inner engagement feature and inner support engagement feature are interlocked to keep the at least one inner support piece from falling into or out of the flexible pouch body.

Inventors

PELLINGRA SALVATORE

SMITH ALLYSON

Latest standardized assignees - inventors removed

PROAMPAC INTERMEDIATE

PROAMPAC HOLDINGS

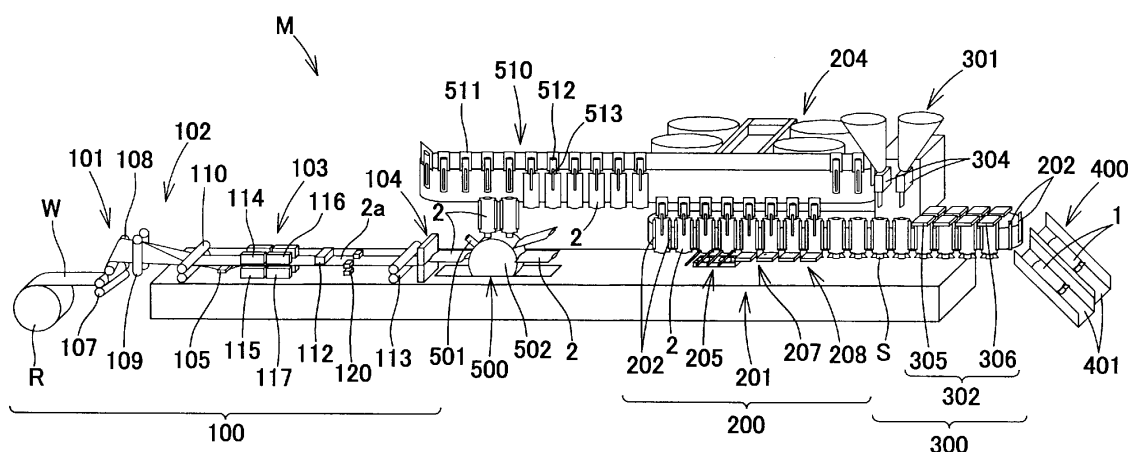
Family 74/100 - FAMPAT - ©Questel

Title

(WO200514399)

Method and device for packaging, and packaged body

Images



(WO200514399)

A packaged body of a small capacity, formed by filling and sealing a fluid object to be received in a flexible receiving body. A spout can be easily installed on the packaged body even the body has a small opening width, and the packaged body has excellent appearance and usability, and has a high filling rate. In a bag producing step (100), a web (W) constituted of a film and a sheet that structure the front and back faces of a receiving body (2) is folded over, and a tubular receiving body (2a) is continuously formed by adhering both sides of the web (W) with an opening-forming mandrel (106) is inserted between the film and the sheet and the web (W) opened in a tubular shape. Then, the tubular receiving body (2) is divided into single receiving bodies (2) by cutting means (104) with the tubular receiving body (2) maintained in the open state. The single receiving bodies (2) are transferred by a transfer device (500) and a transfer conveyor (510) to a spout-installing step (200) with the opened state maintained, and a spout (s) is installed on a lower end opening of a receiving body. A fluid object to be received is poured from an upper end opening of the receiving body (2) by a filling device (301) in a filling/sealing step (300), and the upper end opening of the receiving body (2) is sealed by a sealing device (302) to obtain a packaged body (1).

Inventors

NAKATSUKA HIROHISA

TAKIGUCHI YUKIO

ONO KOJI

INOSAKA MITSURU

Latest standardized assignees - inventors removed

SUNSTAR

DAIWA CAN

SHIN NIPPON KOKI

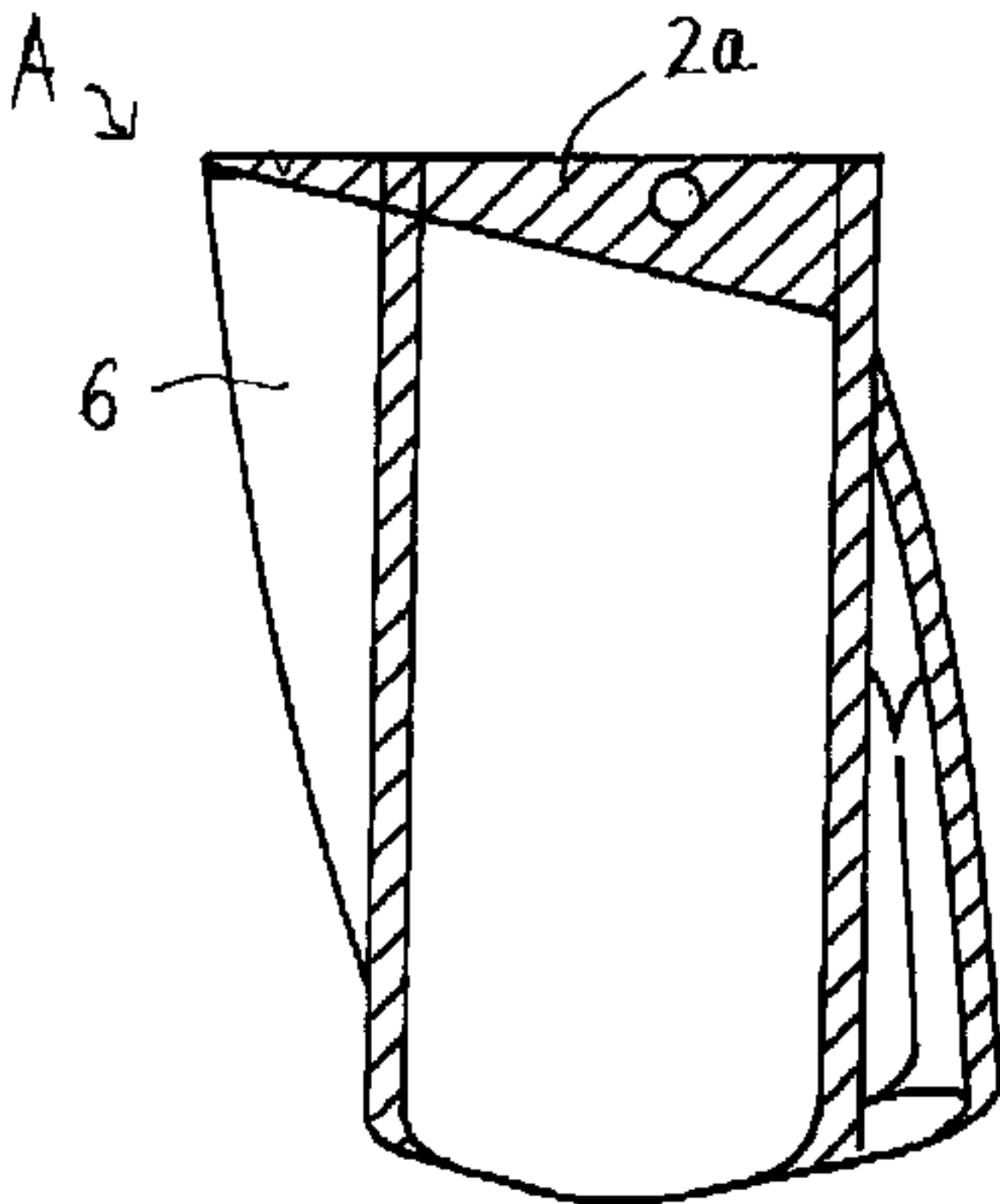
Family 75/100 - FAMPAT - ©Questel

Title

(JP2001031119)

Closed packaging body with pouring section

Images

**Publication data including kind & date**[JP2001031119](#)

A 2001-02-06 JP2001031119

**Abstract**

(JP2001031119)

PROBLEM TO BE SOLVED: To provide a closed packaging body with a pouring section of the shape for easily pouring into various containers without spill and provided with the good outer appearance. **SOLUTION:** In the constitution of a closed packaging body with a pouring section, a packaging bag for storing a content is provided with a tucking-in section formed of at least one side of the packaging bag tucked inside, and a pouring section formed of a folding-back section formed by folding back the tucking-in section to the outside of the bag is formed on one end side of the tucking-in section, and a top sealing section 2a for sealing an opening on the upper section of the packaging bag is formed into an oblique

shape with a front folding-back section 6 side facing upward.

Inventors

Nana Sugimoto

OKADA TAKAO

Aoki Takashi

Latest standardized assignees - inventors removed

DAI NIPPON PRINTING

Family 76/100 - FAMPAT - ©Questel

Title

(CA2349067)

Removable slit cover for flexible plastic container bag

Images**Publication data including kind & date**

[CA2349067](#)

A1 2002-11-29

CA2349067

**Abstract**

(CA2349067)

A flexible container is provided with an improved cover forming a seal over a preformed opening in the container. The container and cover may be made of plastic film or plastic foil. The cover is secured to the bag. One portion of the cover includes a pull tab and also forms a reinforced removable band which is part of the seal. Another portion of the cover forms part of a reinforced collar positioned around the preformed opening, opposite the reinforced band. A tear zone follows a line between the reinforced band and the reinforced collar. To open the container, the removable portion is pulled by the tab, along a line within the tear zone, to separate the seal from the reinforced collar. The collar may be provided with a memory to preferentially close the opening after the container is opened. In some instances, the opening is preformed on the cover and the container wall overlies the opening. A method of making the flexible container is also described.

Inventors

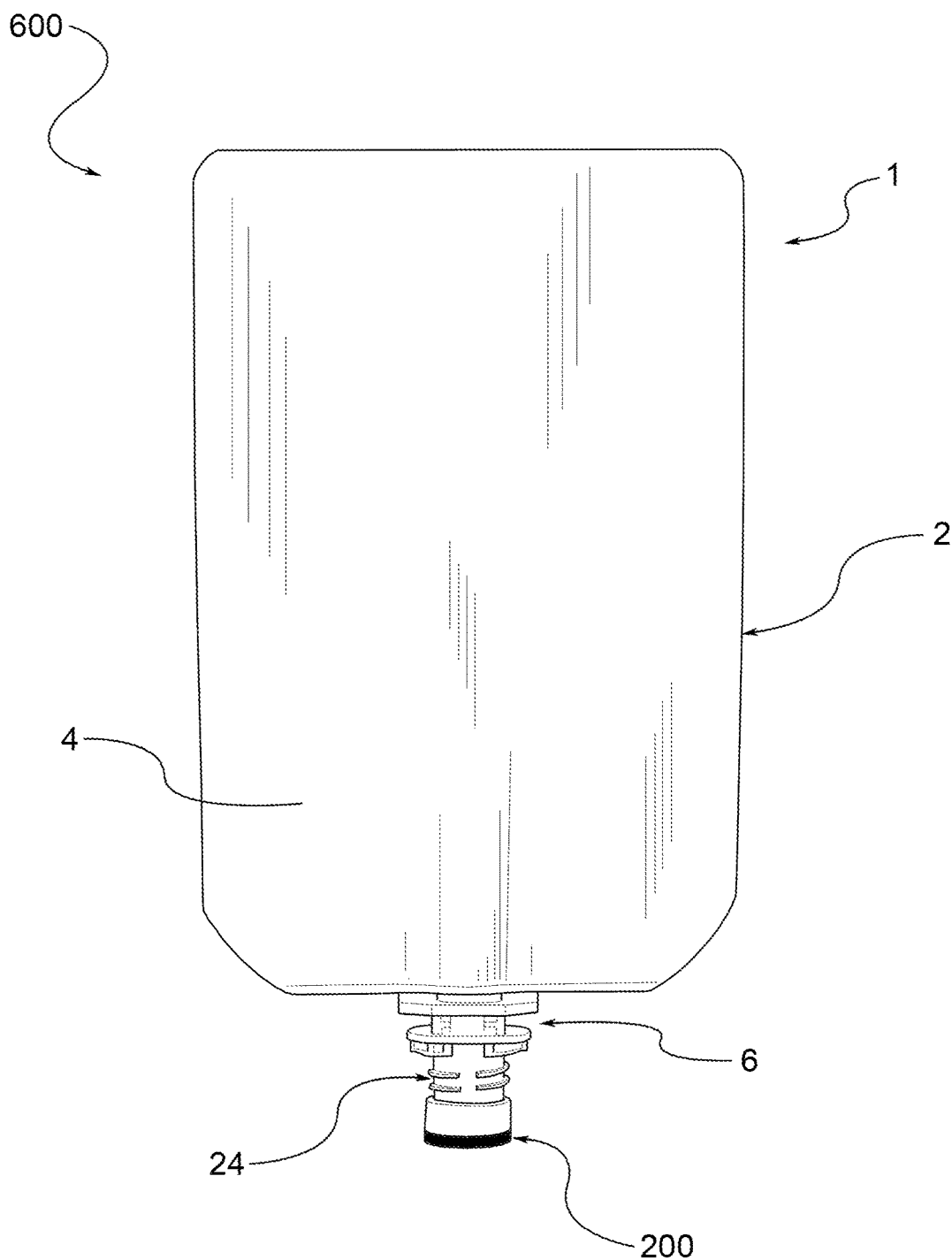
LAFOND LUC MARCEL

Family 77/100 - FAMPAT - ©Questel

Title

(EP3436363)

System for handling the sterilisation of flexible pouches

Images**Publication data including kind & date**

JP2017178456	A	2017-10-05	JP2017178456
US20170283105	A1	2017-10-05	US20170283105
WO2017168322	A1	2017-10-05	WO2017168322
EP3436363	A1	2019-02-06	EP3436363

**Abstract**

(EP3436363)

A system of managing the sterilisation of empty flexible pouches (1) provides applying sacrificial closures (200) to the empty pouches, loading the empty provisional closed pouches to be sterilised on a transport device (300) for the collective

[US20160374523](#)

A1 2016-12-29 US20160374523

[KR20170021764](#)

A 2017-02-28 KR20170021764

**Abstract**

(WO2015106330)

A sheet material dispenser including a flexible pouch and a rigid container. The flexible pouch configured to receive a plurality of sheets and includes a dispenser opening. The flexible pouch includes a resealable cap for intermittently exposing and resealing the dispenser opening. The rigid container includes first and second front plates configured to be slideably coupled to the sidewalls of the rigid container such that the front plates are movable relative to one another and relative to the sidewalls between an open position, wherein the front plates are positioned in a distal relationship relative to one another, and a closed position, wherein the front plates are positioned in an adjacent relationship relative to one another. When the first and second front plates are moved to the closed position, a portion of the front plates are configured to be positioned directly below a portion of the resealable cap.

Inventors

SANTOS SARA V

BASSO BRUNO GIOIELLI

VILLAMIL MAURICIO BANDEIRA

Latest standardized assignees - inventors removed

KIMBERLY CLARK

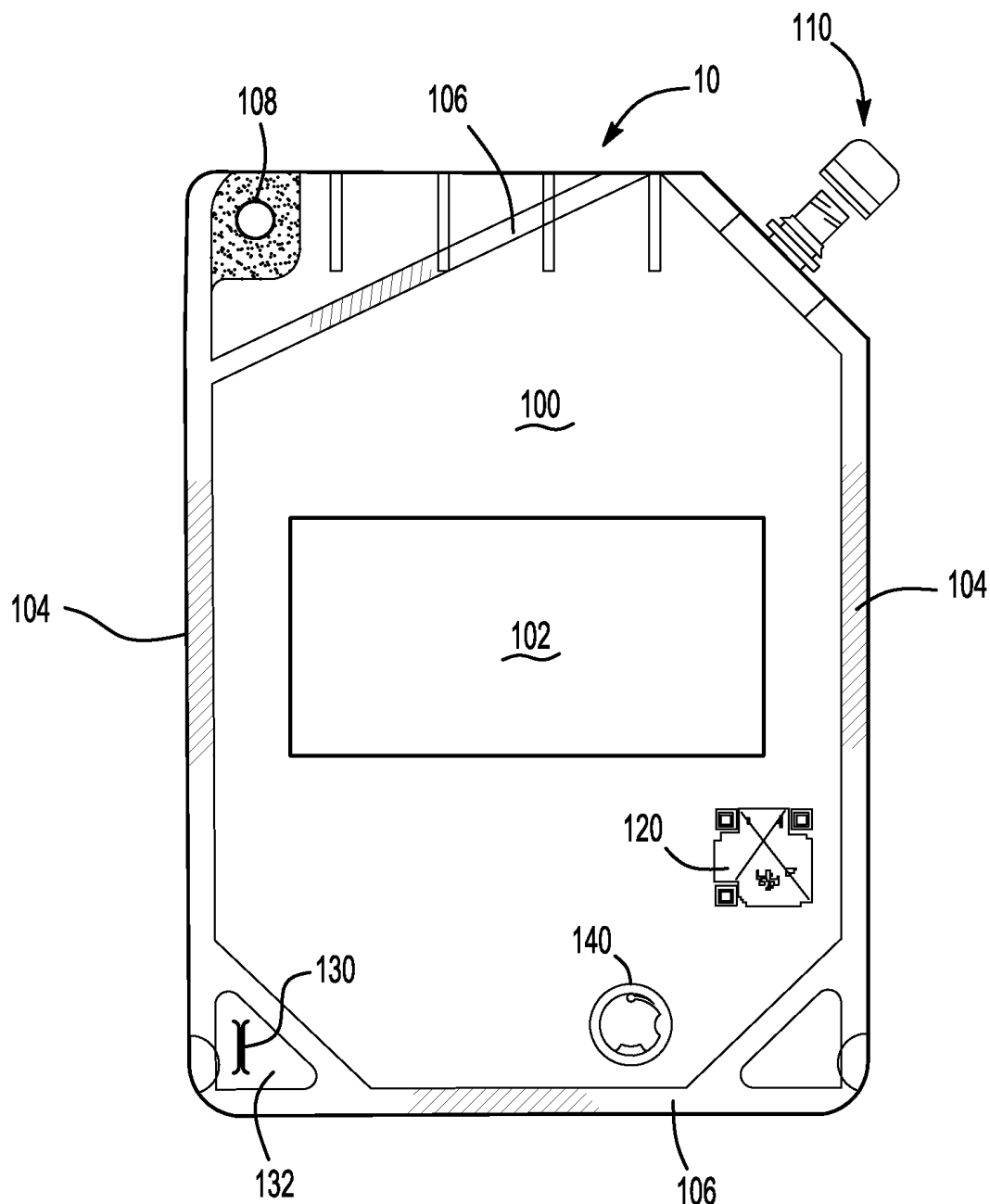
Family 79/100 - FAMPAT - ©Questel

Title

(US9302820)

Flexible pouch with near field communication

Images

**Publication data including kind & date**

CA2854346	A1	2014-12-13	CA2854346
US20140367295	A1	2014-12-18	US20140367295
US9302820	B2	2016-04-05	US9302820
CA2854346	C	2018-11-27	CA2854346

**Abstract**

(US9302820)

A flexible pouch having a printed wireless information tag thereon. The flexible pouch has a panel with at least one side seam, at least one inseam and a wireless information tag printed on the panel. The panel can have a foil layer included therewithin and an insulator layer between the panel and the wireless information tag. Also, the wireless information tag is printed with conductive ink.

Inventors

MURRAY R CHARLES

Latest standardized assignees - inventors removed

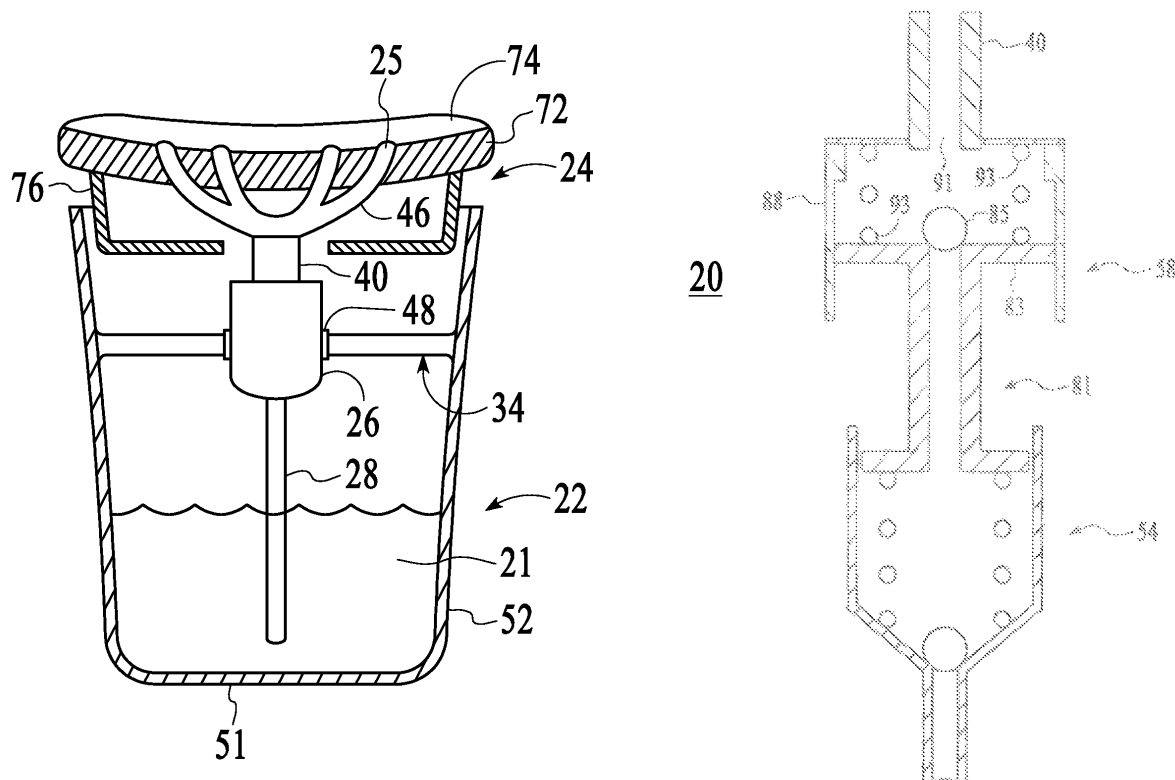
POUCH PAC INNOVATIONS

Family 80/100 - FAMPAT - ©Questel

Title

(US7726517)

Liquid draw-back system for a dispensing package

Images**Publication data including kind & date**[US20090001099](#)

A1 2009-01-01

US20090001099

[US7726517](#)

B2 2010-06-01

US7726517

**Abstract**

(US7726517)

Provided is a liquid dispensing package for a container adapted to contain a liquid that includes a hand operated liquid transport assembly coupled to an actuator, a liquid distribution subsystem in fluid communication with a discharge tube from the liquid transport assembly, wherein downward motion of the actuator, provided by a user, causes liquid to travel through the discharge tube to the actuator top surface, and a liquid draw-back subsystem wherein upward motion of the actuator, provided by a return spring, permits draw-back of liquid from the top surface of the actuator.

Inventors

KENNEDY TIMOTHY

O'CONNELL TAMI

Latest standardized assignees - inventors removed

CLOROX

Family 81/100 - FAMPAT - ©Questel

Title

(KR19910015480)

Flexible pouch and his manufacturing method

Images

seal (12) forming a seal (12) between the peripheral seal (11) between the seal (12) between the barrier or at least one outlet opening (13) is formed by the method of the seal.

Inventors

LEE, SANG JIN

CHO, KYONG SIK

Latest standardized assignees - inventors removed

CJ

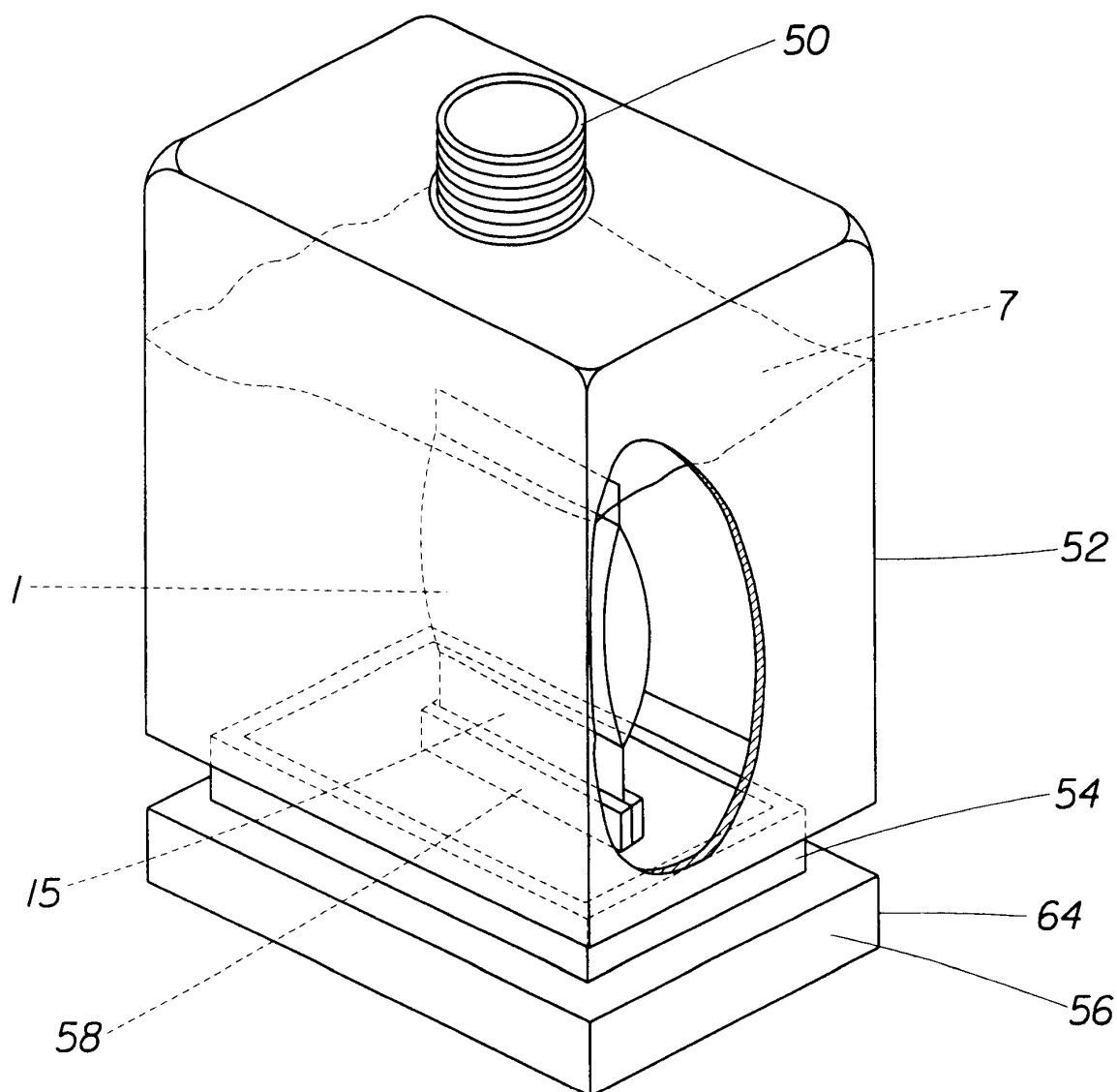
Family 83/100 - FAMPAT - ©Questel

Title

(EP1324687)

Product dispenser having internal temperature changing element

Images



Publication data including kind & date

WO200230251	A2	2002-04-18	WO200230251
AU1532402	A	2002-04-22	AU200215324
US6484514	B1	2002-11-26	US6484514
WO200230251	A3	2003-04-10	WO200230251
EP1324687	A2	2003-07-09	EP1324687
JP2004512868	A	2004-04-30	JP2004512868



[MXPA03003134](#)

A 2004-12-06 MX2003PA003134

Abstract

(EP1324687)

A temperature modifying system for heating or cooling a product (07) including a flexible outer container (1) containing a product (7) and a self-enclosed temperature-changing element is disclosed. The temperature-changing element includes a flexible pouch (2) at least partially immersed in said product (7). The flexible film pouch (2) may have two components separated by a rupturable barrier (14) that is adapted to burst under an application of pressure allowing the two components to combine or react in an exothermic or endothermic event. The flexible film pouch (2) may alternatively include a saturated salt solution that generates as it drops out of solution.

Inventors

JOSEPH GARY CURTIS

ZAVERI PIYUSH NARENDRA

Latest standardized assignees - inventors removed

PROCTER & GAMBLE

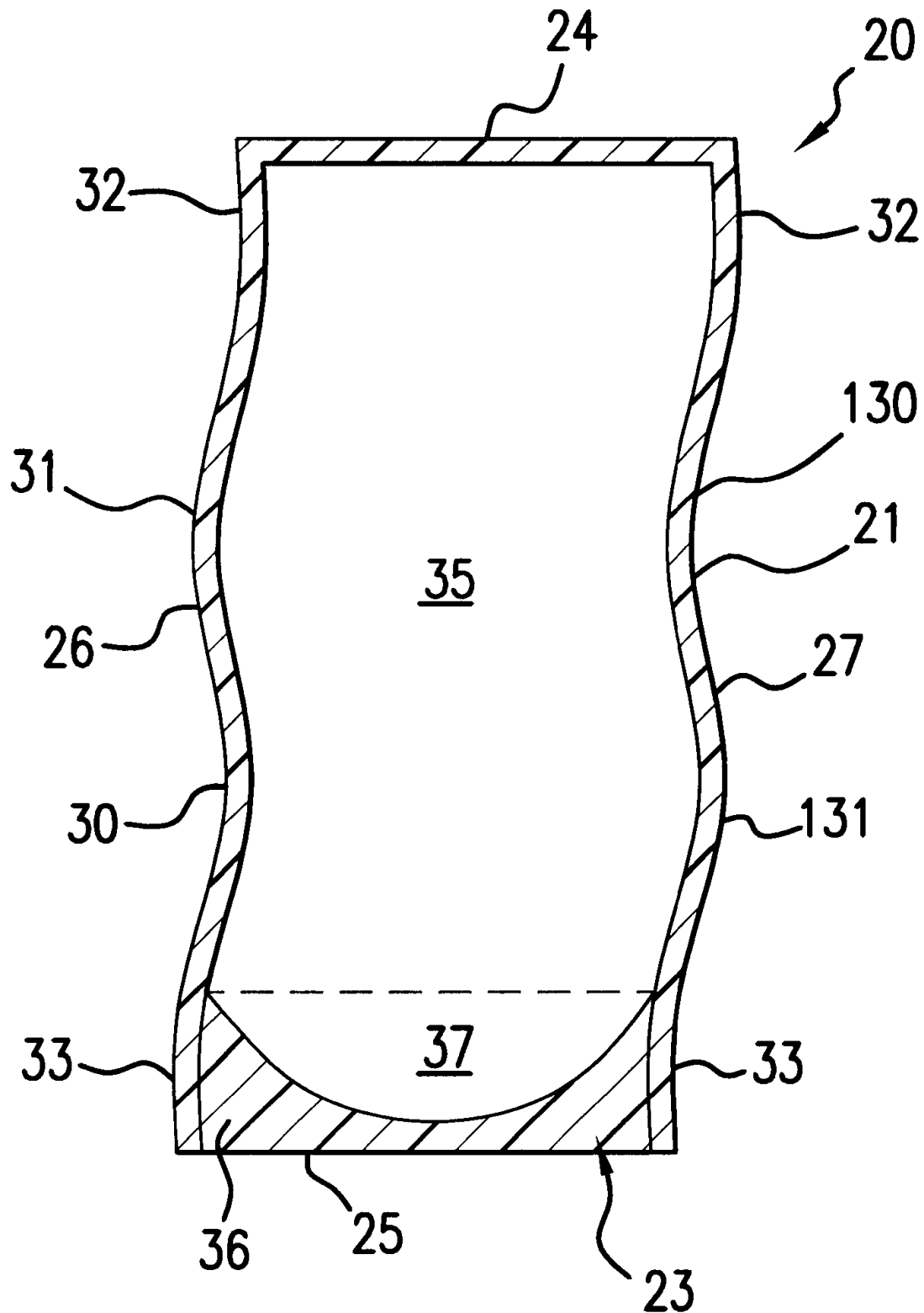
Family 84/100 - FAMPAT - ©Questel

Title

(EP1216194)

Contoured pouch with pourable spout, and apparatus for producing same

Images



Publication data including kind & date

WO200123271	A2	2001-04-05	WO200123271
CA2385198	A1	2001-04-05	CA2385198
AU7705700	A	2001-04-30	AU200077057
US6244747	B1	2001-06-12	US6244747
US20010015054	A1	2001-08-23	US20010015054
US6293073	B1	2001-09-25	US6293073
WO200123271	A3	2001-11-22	WO200123271
EP1216194	A2	2002-06-26	EP1216194



MXPA02003154	A	2002-09-30	MX2002PA003154				
BR0014673	A	2002-10-01	BR200014673				
BRPI0014673	A1	2002-10-01	BRPI0014673				
WO200123271	A9	2002-10-03	WO200123271				
AR025927	A1	2002-12-18	AR--25927				
NZ517700	A	2004-01-30	NZ-517700				
AU771505	B2	2004-03-25	AU-771505				
BRPI0014673	A2	2010-09-14	BR200014673				

Abstract

(EP1216194)

The present invention relates to sealed pouches, and apparatus and processes for producing the same. The pouch (20) includes contoured first and second lateral edges (26, 27), with each lateral edge having concave and convex surfaces. The concave surface of the first lateral edge is substantially opposite the convex surface of the second lateral edge and the convex surface of the first lateral edge is substantially opposite the concave surface of the second lateral edge. Accordingly, a distance between the first and second lateral edges is substantially the same for all elevations of the pouch.

Inventors

CAUDLE TIMOTHY G

Latest standardized assignees - inventors removed

SEALED AIR

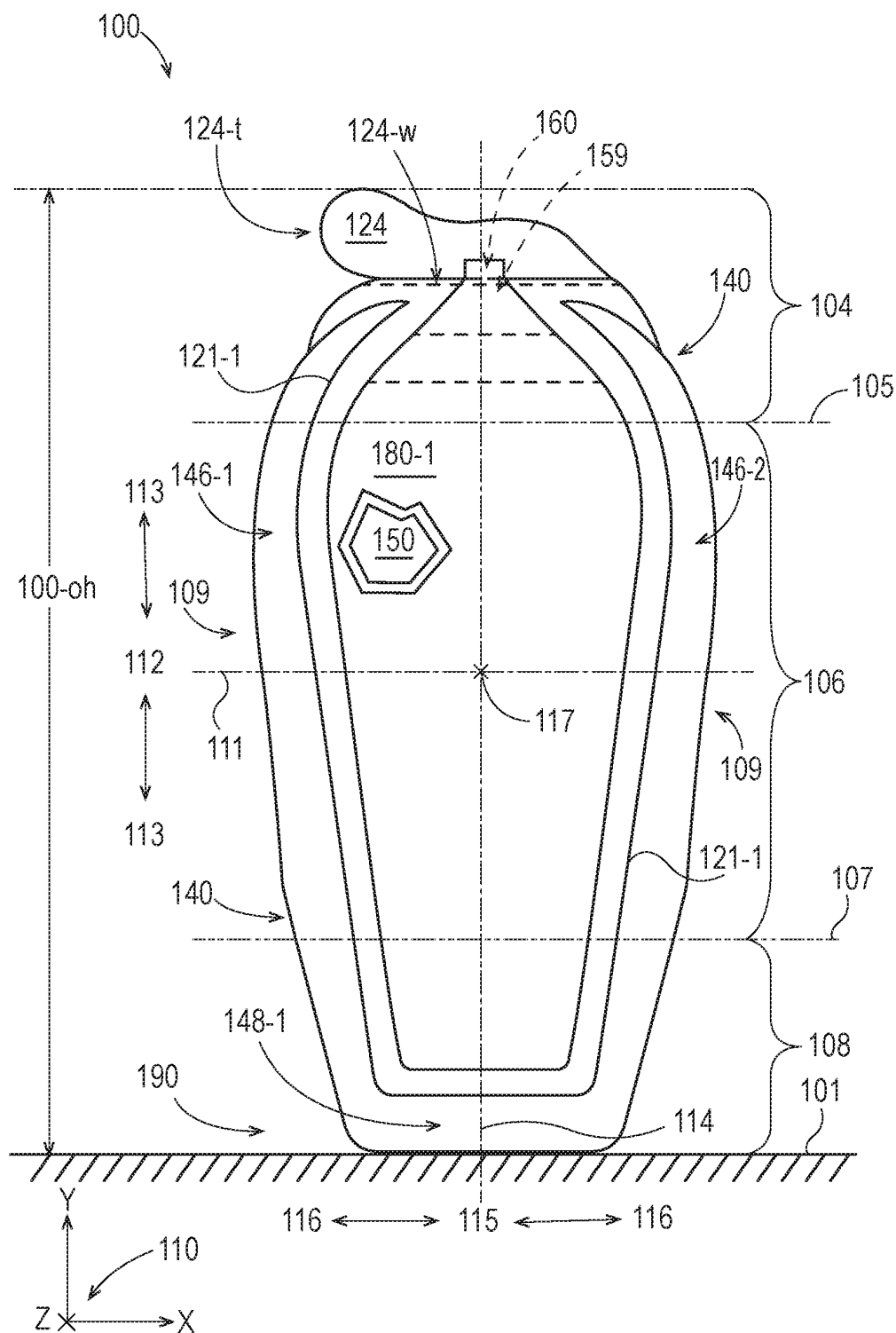
Family 85/100 - FAMPAT - ©Questel

Title

(WO2018175149)

Methods of opening flexible containers

Images



Publication data including kind & date

[WO2018175149](#)

A1 2018-09-27

WO2018175149

[US20180297725](#)

A1 2018-10-18

US20180297725



Abstract

(WO2018175149)

In a method of making disposable, flexible containers for fluent products, methods of opening the flexible containers are disclosed, including methods of opening multi-layer structures to enable filling of fluent product(s). The methods may include opening a partially complete container blank made of three or more layers by separating a portion of one layer from a portion of another layer by bending portions of all of the layers outward toward a first direction; and then bending portions of at some of the layers outward toward a second direction that is within 20 degrees of opposite to the first direction.

Inventors

BOURGEOIS MARK
ISHIHARA TADAYOSHI
YOU JUN
CLARE BENJAMIN
LESTER JOSEPH
LEVANDOSKI MARK

Latest standardized assignees - inventors removed

PROCTER & GAMBLE

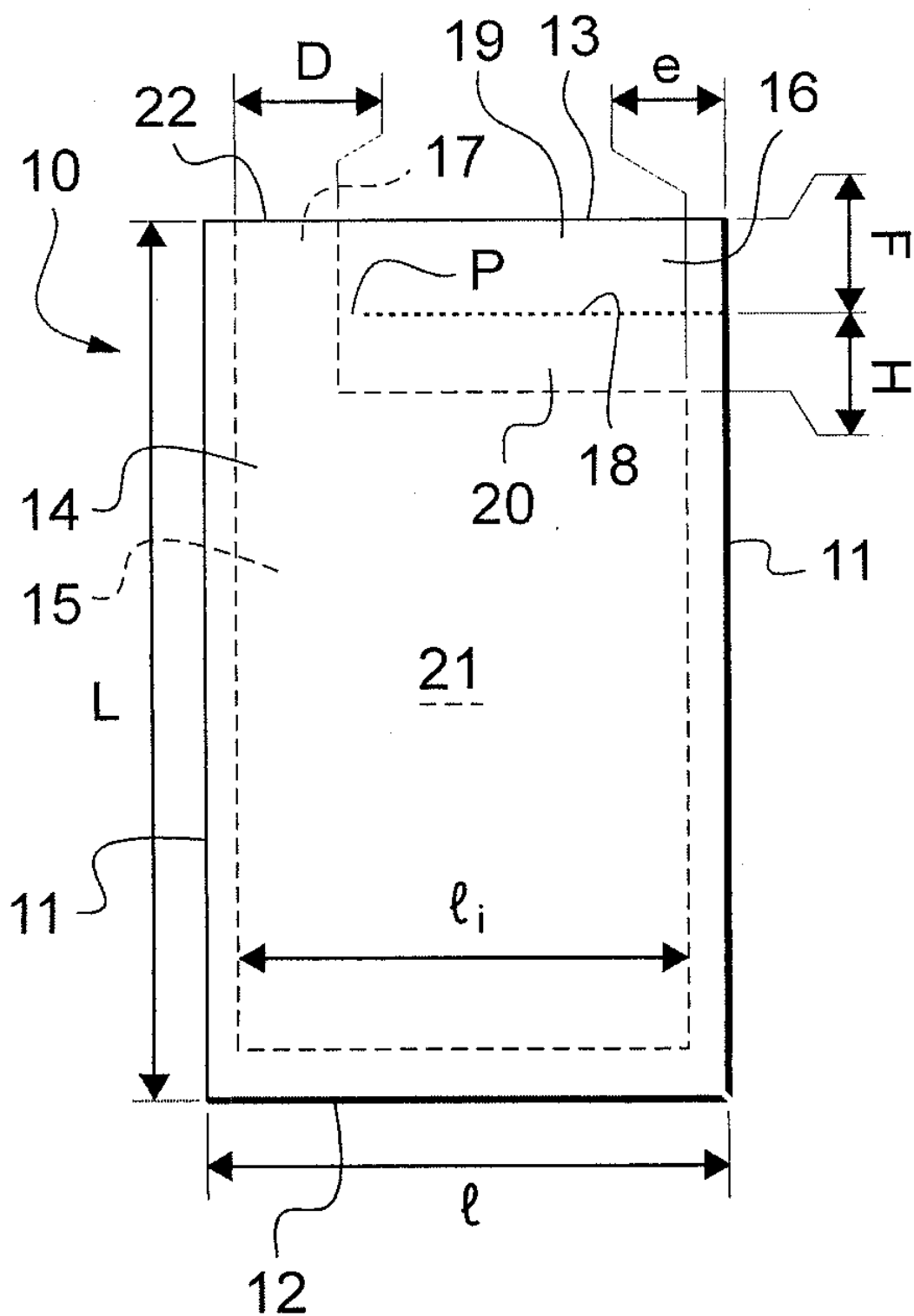
Family 86/100 - FAMPAT - ©Questel

Title

(FR2973002)

Flexible bag for perfume, has two flexible walls, chute and tear line, where distance between exit of tear line and chute is less than five mm, and tear line is provided at specific distance from longitudinal edges

Images



[FR2973002](#)

A1 2012-09-28 FR2973002

[FR2973002](#)

B1 2013-04-12 FR2973002

**Abstract**

(FR2973002)

The bag (10) has two flexible walls (14, 15) defining a tearable and flexible internal volume (21) that is utilized for containing a specific dose of perfume, and a chute (17). The walls are heat-sealed on entire peripheral edges (16) that are provided with a tear line (18), which is rectilinear and parallel to the edges. Width of the chute is between 3.5 mm and 7 mm, and distance between exit of the tear line and the chute is less than 5 mm. The tear line is provided at distance of between 4 mm and 10 mm from longitudinal edges.

Inventors

BEAUMONT THIERRY

Latest standardized assignees - inventors removed

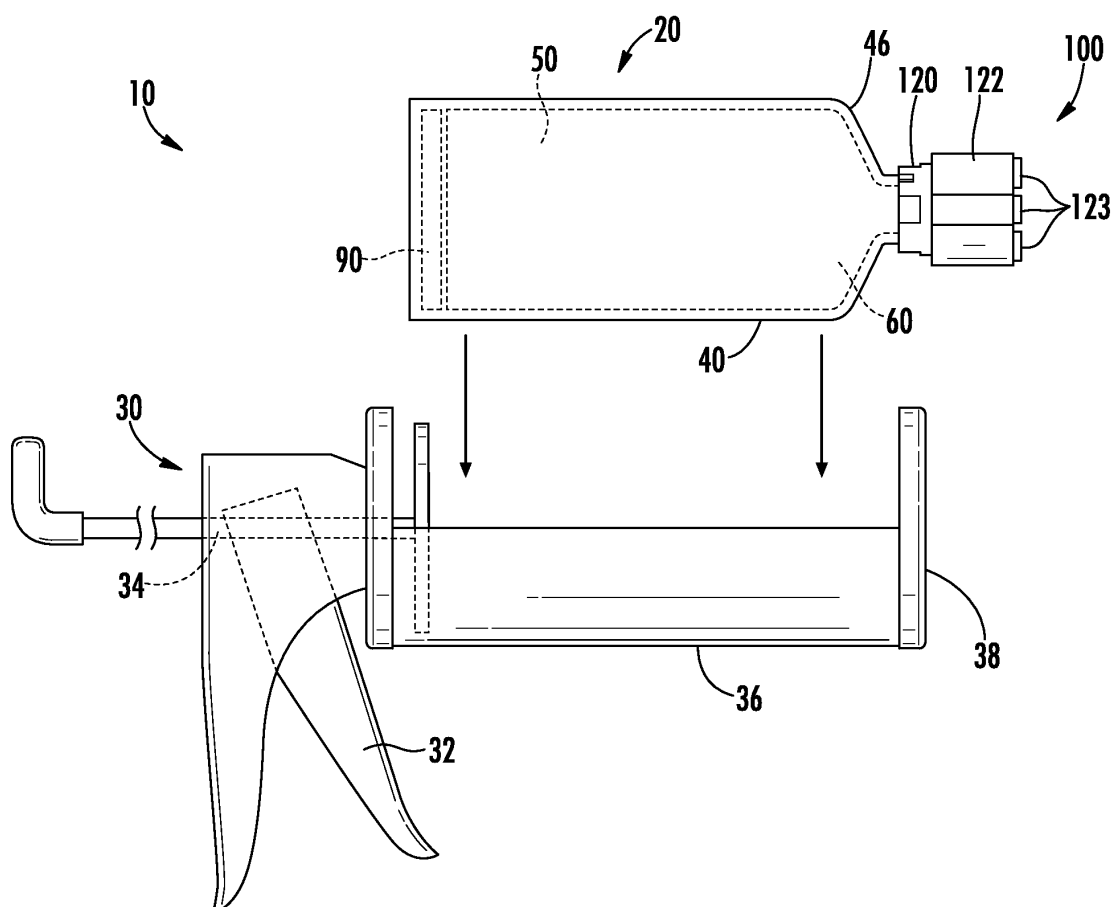
ELIDOSE

Family 87/100 - FAMPAT - ©Questel

Title

(EP3188903)

Dispensing system, packaging system, package, closure system, dispensing gun system, method of making a package, and method of dispensing a product

Images**Publication data including kind & date**[CA2956438](#)

A1 2016-02-04 CA2956438

[WO2016018694](#)

A2 2016-02-04 WO201618694

[WO2016018694](#)

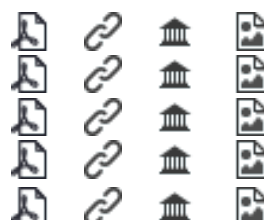
A3 2016-03-03 WO201618694

[AU2015298204](#)

A1 2017-02-16 AU2015298204

[BR112017001690](#)

A1 2017-02-21 BR112017001690



MX2017001196	A	2017-05-19	MX2017001196				
EP3188903	A2	2017-07-12	EP3188903				
US20170225192	A1	2017-08-10	US20170225192				
CN107073511	A	2017-08-18	CN107073511				
BR112017001690	A2	2017-11-21	BR112017001690				
US10179343	B2	2019-01-15	US10179343				

Abstract

(EP3188903)

The present invention includes a dispensing system for dispensing a packaged product, e.g. a condiment, including a pouch (60) having the product therein cooperates with a dispensing gun (30) to dispense a dose of product. In various aspects the invention includes a packaging system that includes a container (40) and a flexible package (50) with a frangible seal (70), and a flexible pouch (60); a dispensing assembly (100) for dispensing a product from the package; a dispensing gun system; a method of making a package; and a method of dispensing a product. The packaging system includes a container such as a rigid sleeve, and a flexible pouch positioned within the container interior, and also includes a valve that enables the product to exit the pouch interior and be dispensed. An optional diffuser coordinates with the valve to dispense product from one or more product outlets.

Inventors

COMPTON STEPHEN F

COOK HUBERT J

CARROUTH ANDREW B

BOWEN JOE MILTON

KISS CSABA FRANK

ACKERMAN DAVID L

CALVERT STEVEN T

CAUDLE TIMOTHY G

MOEHLENBROCK ANDREW W

CONNER H DEAN

Latest standardized assignees - inventors removed

SEALED AIR

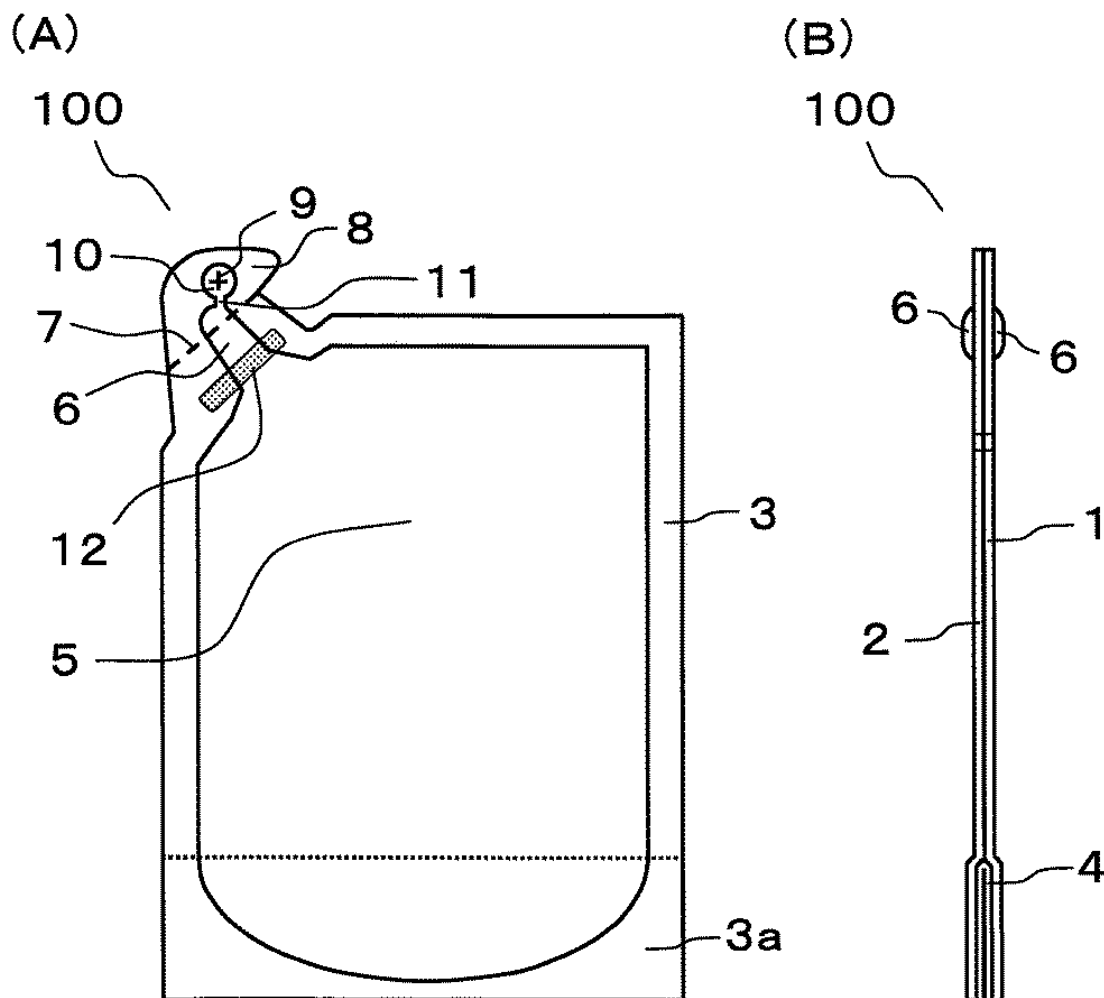
Family 88/100 - FAMPAT - ©Questel

Title

(JP2015040067)

Packaging bag for liquid and method for production thereof

Images

**Publication data including kind & date**

JP2015040067 A 2015-03-02 JP2015040067
 JP6307812 B2 2018-04-11 JP6307812

**Abstract**

(JP6307812)

PROBLEM TO BE SOLVED: To provide a packaging bag for liquid producible without performing a large-scaled improvement of a bag making machine and easy to pour out without clogging, and to provide a method for production of the packaging bag.
SOLUTION: A packaging bag 100 for liquid comprises a peripheral edge seal part 3 formed by overlapping a front film 1 and a back film 2, a content housing part 5 surrounded by the peripheral edge seal part and a content pouring path 6 through which a content is poured out. The front and back films of a content outflow path swell outside, respectively, and a fluid inflow port 9 for making a fluid flow in is provided to communicate with the content outflow path. Then, the front and back films of the content outflow path are swollen outside by inflow of the fluid from the fluid inflow port.

Inventors

ARAKI NORIYUKI

Latest standardized assignees - inventors removed

TOPPAN PRINTING

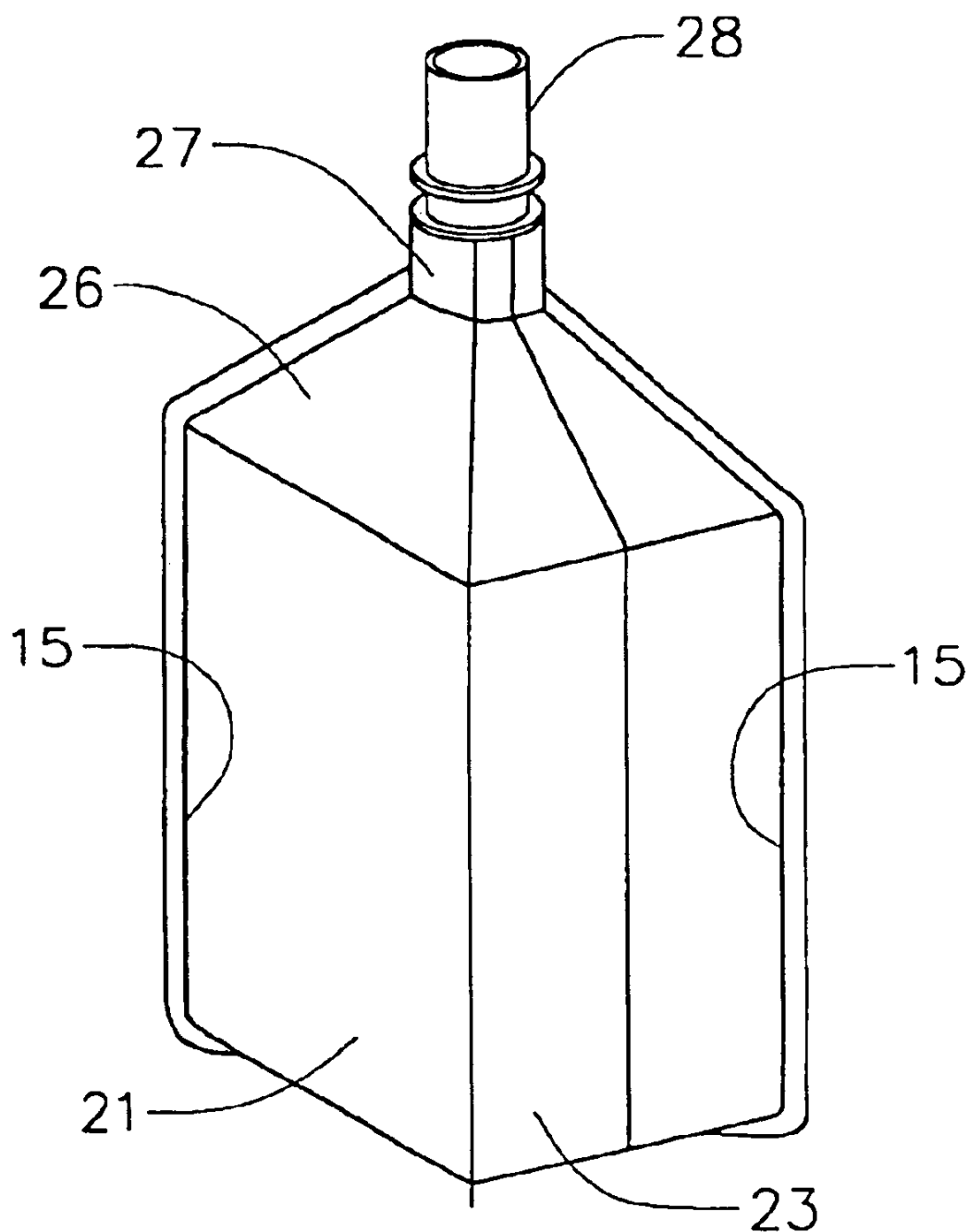
Family 89/100 - FAMPAT - ©Questel

Title

(EP2573004)

Gusseted flexible bottle with fitment

Images


Publication data including kind & date

US20030202719	A1	2003-10-30	US20030202719
WO03093126	A1	2003-11-13	WO200393126
AU2003224903	A1	2003-11-17	AU2003224903
US6832852	B2	2004-12-21	US6832852
US20050026761	A1	2005-02-03	US20050026761
JP2005523853	A	2005-08-11	JP2005523853
US7147597	B2	2006-12-12	US7147597
JP2009234666	A	2009-10-15	JP2009234666
JP4418363	B2	2009-12-04	JP4418363
EP1501736	A4	2011-05-25	EP1501736
JP5005736	B2	2012-06-01	JP5005736



EP1501736	A1	2012-10-03	EP1501736				
EP1501736	B1	2014-05-14	EP1501736				
EP2573004	A1	2017-05-17	EP2573004				
DK2573004	T3	2017-07-17	DK2573004T				
ES2626635	T3	2017-07-25	ES2626635				
EP2573004	B1	2018-06-20	EP2573004				

Abstract

(EP2573004)

A bottle fabricated from flexible webs (11, 12, 13, 14) and including a fitment (28) comprises a bottom section (1); a body section (2) comprising a front panel (21) , a rear panel, and a pair of gusseted side panels (23) , each of said front panel, rear panel and gusseted side panels having predetermined widths; a neck section (4) formed from extended portions of said front and rear panels and extended portions of said gusseted side panels, the widths of said extended portions of said front and rear panels and said gusseted side panels being reduced at said neck section; a tapered transition section (3) between said body section and said neck section; and a fitment (28) positioned within said neck section, and sealed to said extended portions of said front and rear panels and to said extended portions of said gusseted side panels.

Inventors

WILKES KENNETH R

Latest standardized assignees - inventors removed

SMART BOTTLE

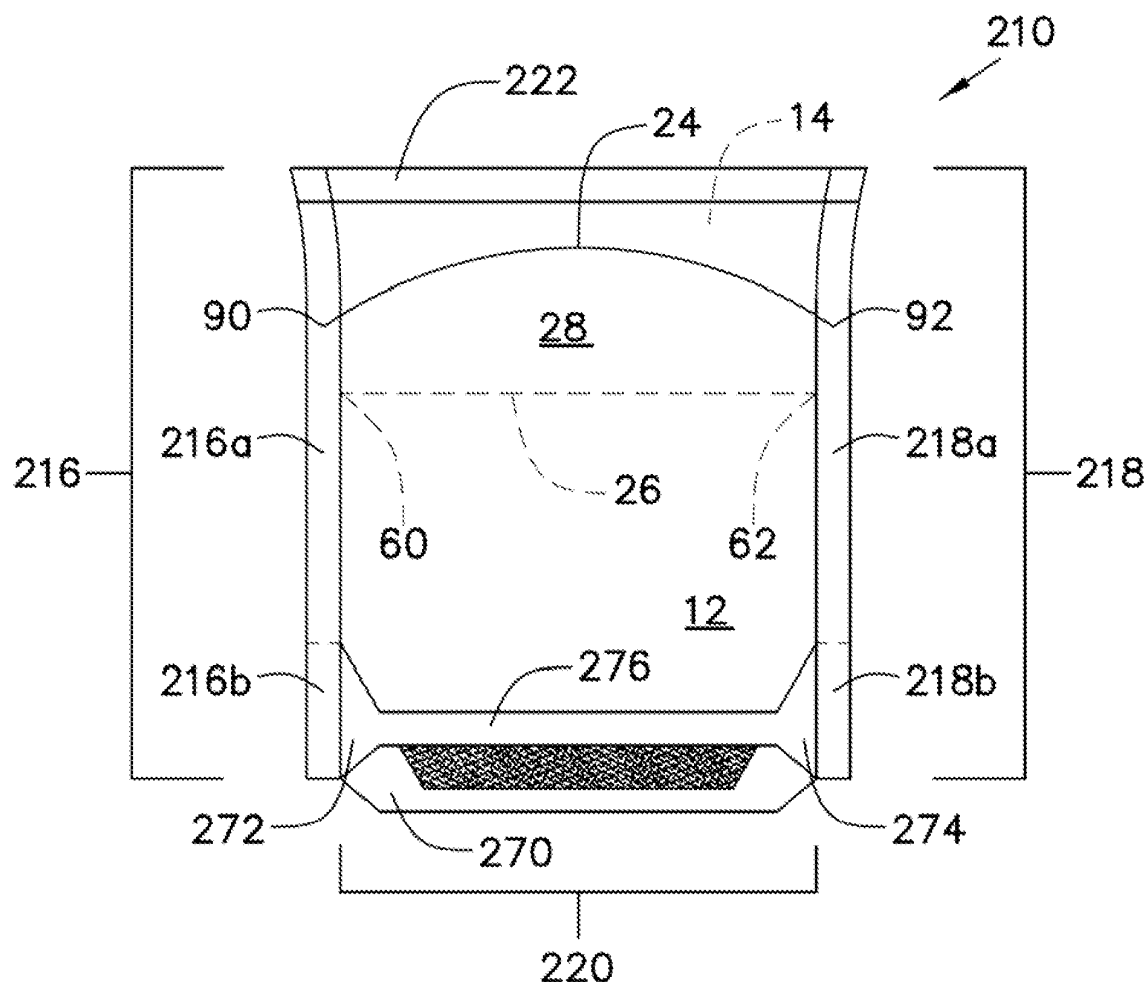
Family 90/100 - FAMPAT - ©Questel

Title

(WO201502651)

Scored package

Images

**Publication data including kind & date**

WO2015002651	A1	2015-01-08	WO201502651
US20160137377	A1	2016-05-19	US20160137377
US10071841	B2	2018-09-11	US10071841

**Abstract**

(WO201502651)

A scored package is described. The first panel of the package comprises a multilayer film with an exterior layer having a nonlinear first score line and an interior layer having a linear second score line. The first score line and the second score line are positioned non-parallel in a plane of the package such that the first score line intersects the second score line to form an opening in the package at the second score line when the exterior layer and the interior layer are separated. Separation of the exterior layer and the interior layer also forms an adhesive-free pour spout in the separated exterior layer. Various embodiments of various package configurations, score line configurations, multilayer film structures and methods of manufacturing are also described.

Inventors

TRACY JORDAN R
HODSON JAY D

Latest standardized assignees - inventors removed

BEMIS

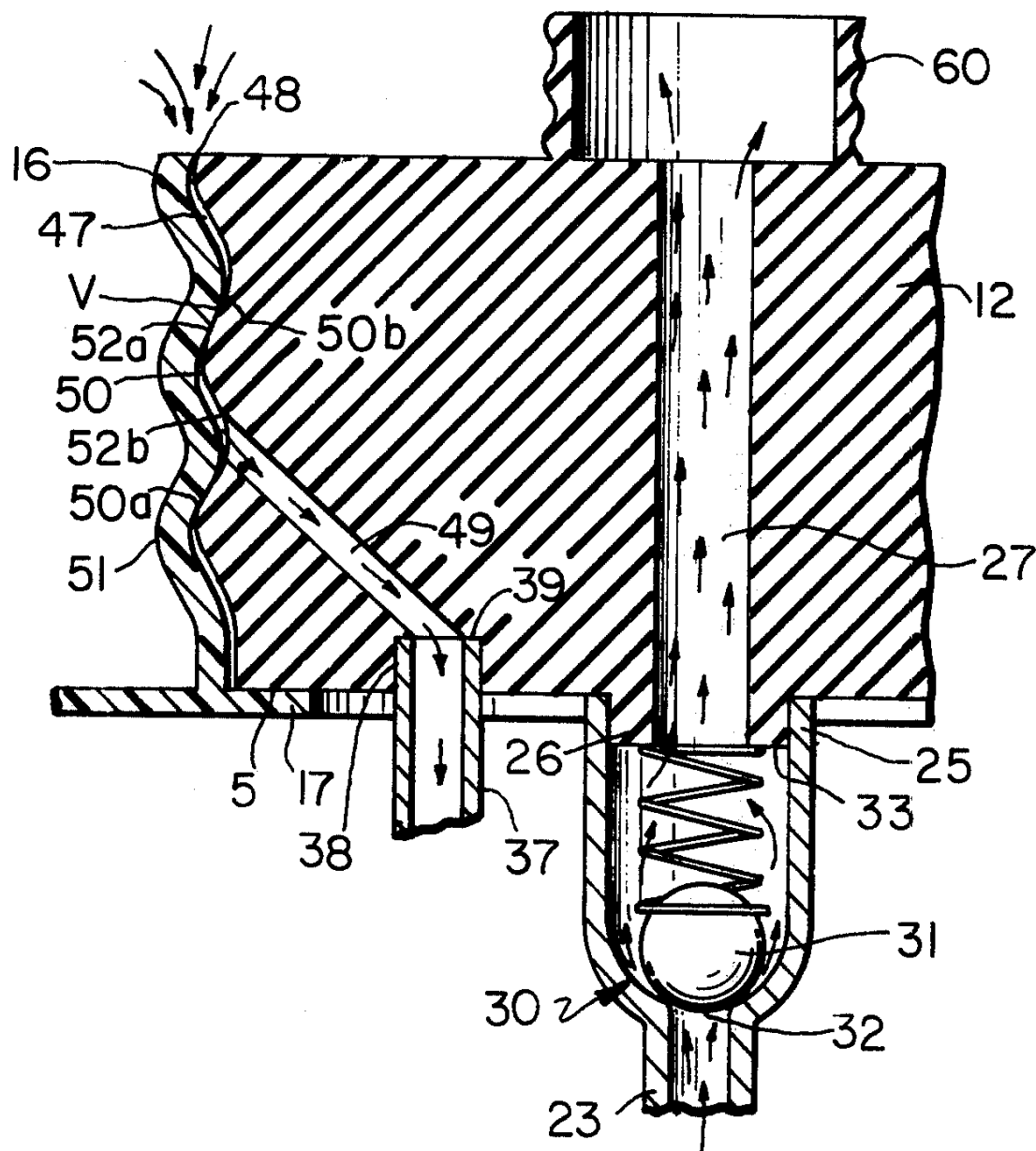
Family 91/100 - FAMPAT - ©Questel

Title

(US3878972)

Liquid measuring and dispensing apparatus

Images

**Publication data including kind & date**

US3878972

A 1975-04-22 US3878972

**Abstract**

(US3878972)

An apparatus for measuring and dispensing liquids includes a flexible container which is squeezably operated to increase the pressure therein and thereby operate a fluid control valve mounted in a filler tube for discharging a quantity of fluid into a measuring receptacle mounted on the container, whereupon the decrease in pressure within the container caused by the discharge of fluid therefrom operates to open an air inlet valve allowing air to enter the container when the container is released.

Inventors

POR L LASLO

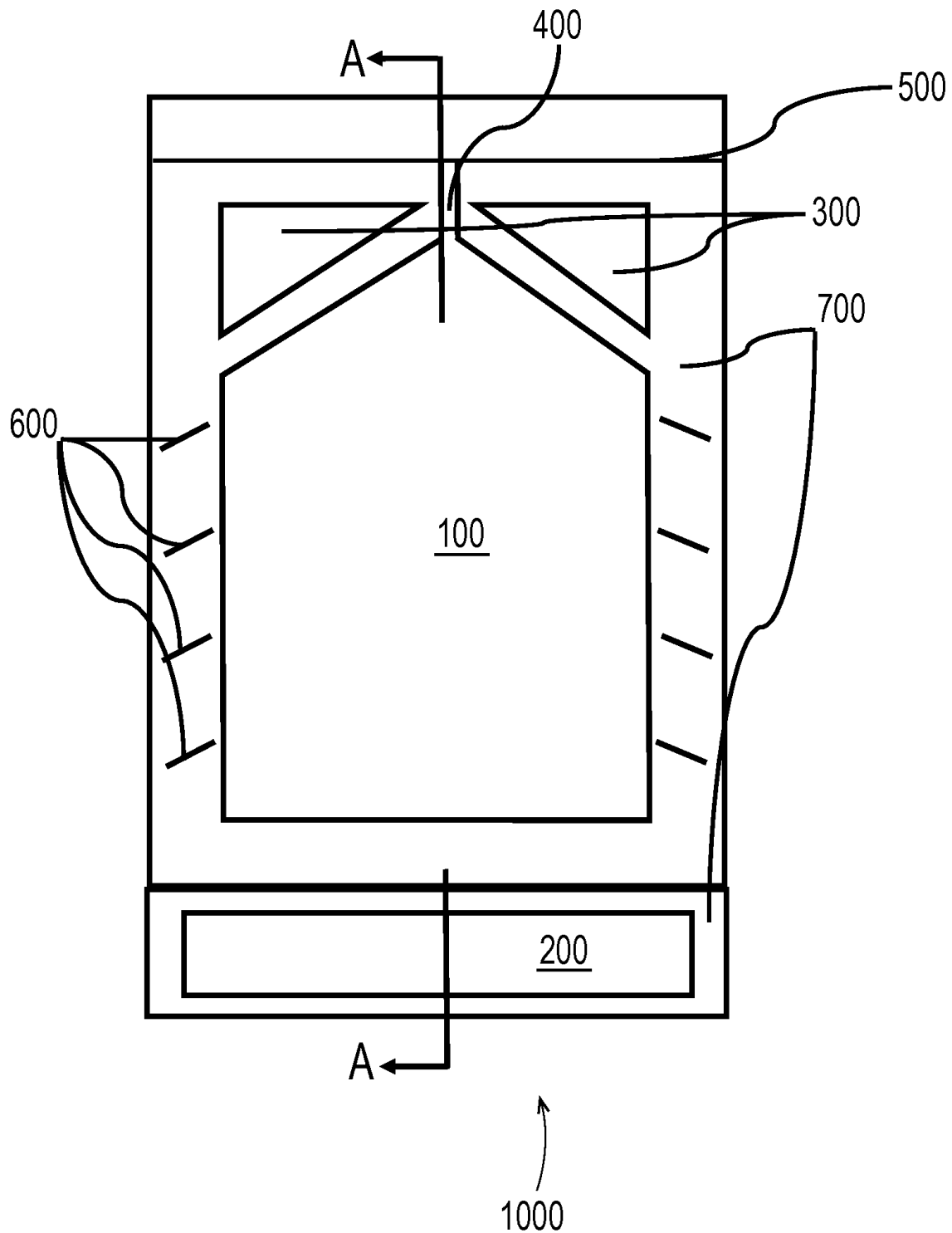
Family 92/100 - FAMPAT - ©Questel

Title

(EP3024750)

Flexible container with dispensing aid

Images


Publication data including kind & date

US20150028057	A1	2015-01-29	US20150028057
WO2015013111	A1	2015-01-29	WO201513111
BR112016001550	A1	2016-02-02	BR112016001550
CN105408218	A	2016-03-16	CN105408218
PH12016500151	A1	2016-04-25	PH12016500151
PH12016500151	B1	2016-04-25	PH12016500151
IN11280/DELNP/2015	A	2016-05-27	IN2015DN11280
EP3024750	A1	2016-06-01	EP3024750
US9586744	B2	2017-03-07	US9586744
CN105408218	B	2017-11-07	CN105408218B
EP3024750	B1	2018-03-28	EP3024750



BR112016001550

A2 2018-11-06

BR112016001550

Abstract

(EP3024750)

A flexible container including a first web portion defined by a first periphery, and a second web portion defined by a second periphery. The second web portion may be disposed in a face to face relationship with the first web and at least partially overlapping the first web. At least a portion of the second periphery may be bonded or sealed to the first web, the sealed portion defines a first product volume. The container further includes a dispensing aid disposed adjacent to the sealed portion of the second periphery and may include a dispensing valve. The dispensing aid includes third and fourth web portions sealed along a closed periphery and defining an expanded volume or structural support volume.

Inventors

ARENT LEE MATHEW

COX DONALD JOSEPH

Latest standardized assignees - inventors removed

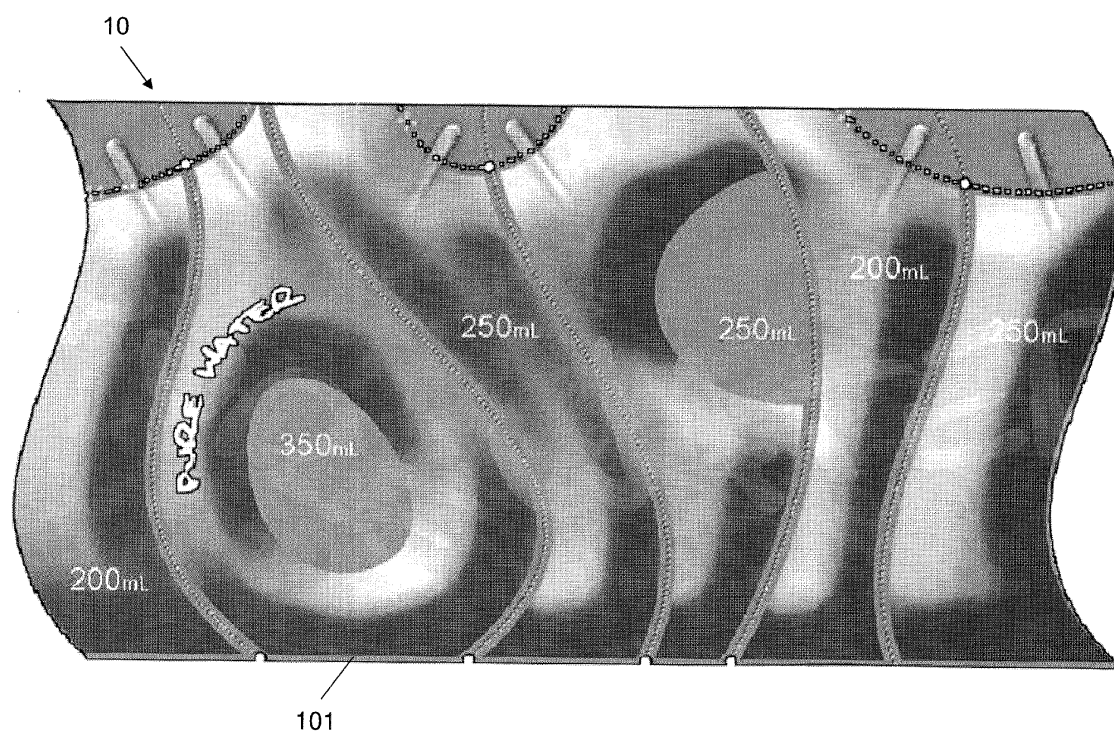
PROCTER & GAMBLE

Family 93/100 - FAMPAT - ©Questel

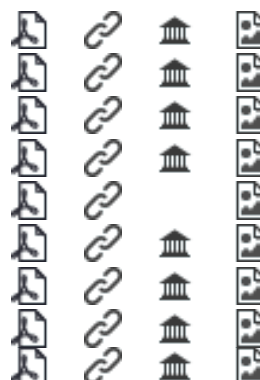
Title

(EP2790920)

Biodegradable sheet

Images**Publication data including kind & date**

CA2858972	A1	2013-06-20	CA2858972
WO2013088443	A1	2013-06-20	WO201388443
WO2013088443	A8	2013-08-29	WO201388443
AU2012354059	A1	2014-07-17	AU2012354059
SG11201403245R	A	2014-07-30	SG11201403245R
IL233077	A	2014-07-31	IL-233077
KR20140116868	A	2014-10-06	KR20140116868
BR112014015501	A1	2014-10-21	BR112014015501



US20140329039	A1	2014-11-06	US20140329039				
CN104364081	A	2015-02-18	CN104364081				
JP2015507653	A	2015-03-12	JP2015507653				
EP2790920	A1	2015-08-12	EP2790920				
EP2790920	A4	2015-08-12	EP2790920				
NZ626602	A	2015-09-25	NZ-626602				
HK1203453	A1	2015-10-30	HK1203453				
RU2014128962	A	2016-02-10	RU2014128962				
IN5202/CHENP/2014	A	2016-02-19	IN2014CN05202				
AU2012354059	B2	2016-09-22	AU2012354059				
AU2016277538	A1	2017-01-12	AU2016277538				
AU2012354059	C1	2017-03-23	AU2012354059				
BR112014015501	A2	2017-06-13	BR112014015501				
BR112014015501	A8	2017-06-13	BR112014015501				
BR112014015501	A8	2017-07-04	BR112014015501				
JP6235481	B2	2017-11-22	JP6235481				
RU2643561	C2	2018-02-02	RU2643561				

Abstract

(EP2790920)

Disclosed is a biodegradable sheet prepared from biodegradable material comprising a gas barrier material, wherein the gas barrier material may be a nanoclay and/or polyvinyl alcohol.

Inventors

NEUMAN TAL

NISSEMBAUM DAPHNA

DOTAN ANA LEA

GARTY SHAI

Latest standardized assignees - inventors removed

TIPA

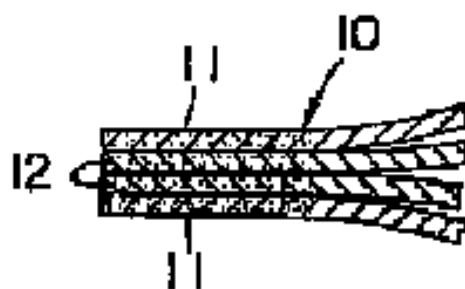
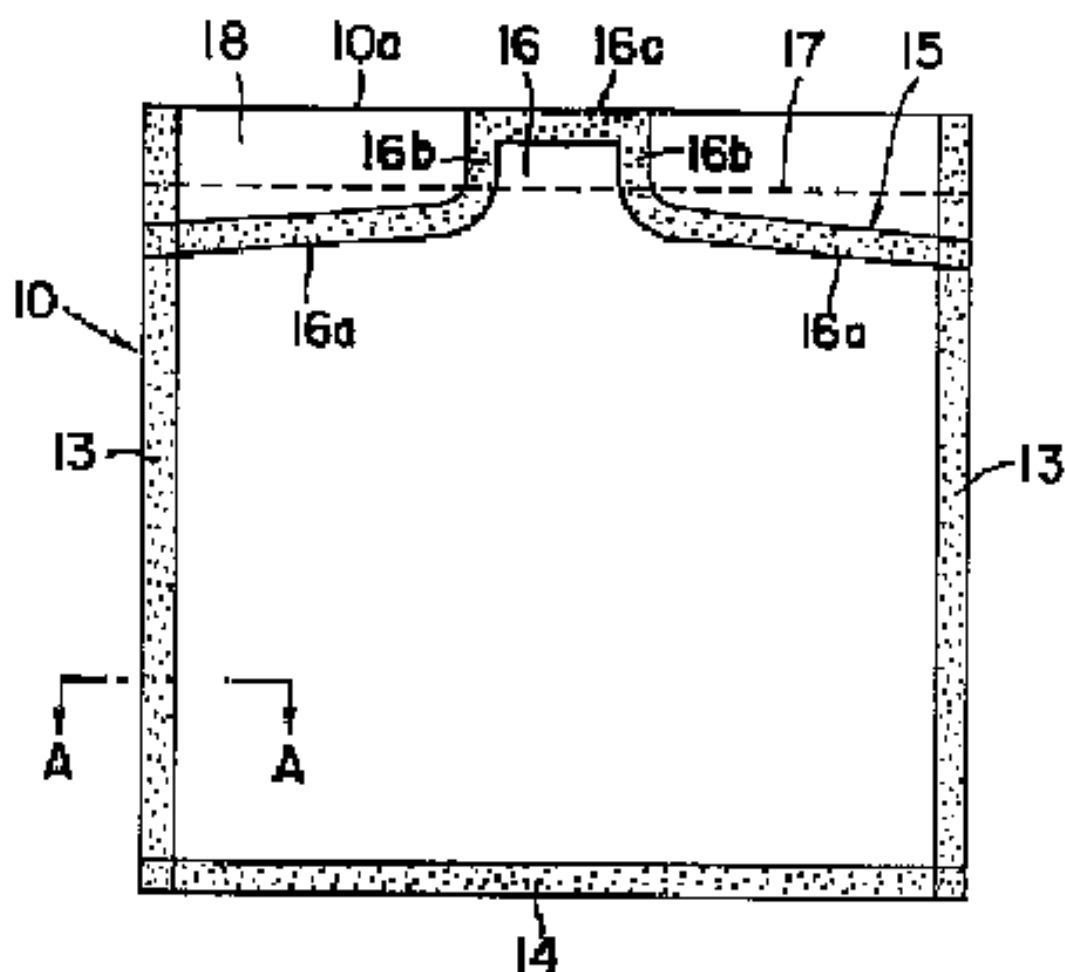
Family 94/100 - FAMPAT - ©Questel

Title

(JP07257607)

Flexible bag for bag-in box

Images



Publication data including kind & date

JP07257607	A	1995-10-09	JP07257607
JP3179277	B2	2001-06-25	JP3179277



Abstract

(JP3179277)

PURPOSE:To enable filling of a liquid material including solid such as curry paste by closing a fastener piece after contents are put into an inner bag and forming an ejection port having a diameter larger than the solid contained in the contents at a heat-sealing part for coupling opening ends of the inner bag and an outer bag to each other. **CONSTITUTION:**An outer bag 11 is formed by overlapping laminate films comprising a biaxially oriented nylon film, a polyethylene film and a linear low density polyethylene film. An inner bag 12 is formed by cutting the linear low density polyethylene film equipped with

US20050254731	A1	2005-11-17	US20050254731				
AU2005202063	A1	2005-12-01	AU2005202063				
MXPA05005206	A	2005-12-05	MX2005PA005206				
BRPI0501792	A	2006-01-10	BR200501792				
AR048844	A1	2006-05-31	AR--48844				
NZ540030	A	2006-10-27	NZ-540030				
BRPI0501792	A2	2012-05-15	BR200501792				

Abstract

(EP1595815)

A bag for carrying medium to heavy loads comprising a body formed from a flexible thermoplastic film, such that the body comprises a first panel and an opposing second panel, a receptacle cavity formed the first and second panels, an integral handle opening, and an easy-open feature which extends longitudinally from a top seal to an opposing bottom seal and positioned adjacent to a first side seal of the body. The easy-open feature comprises at least one of (i) at least one line of structural weakness in the thermoplastic film, (ii) a reclosable fastener adhered to the thermoplastic film, or (iii) a combination of (i) and (ii).

Inventors

BERBERT OTACILIO TEIXEIRA

FULLER SCOTT A

Latest standardized assignees - inventors removed

CURWOOD

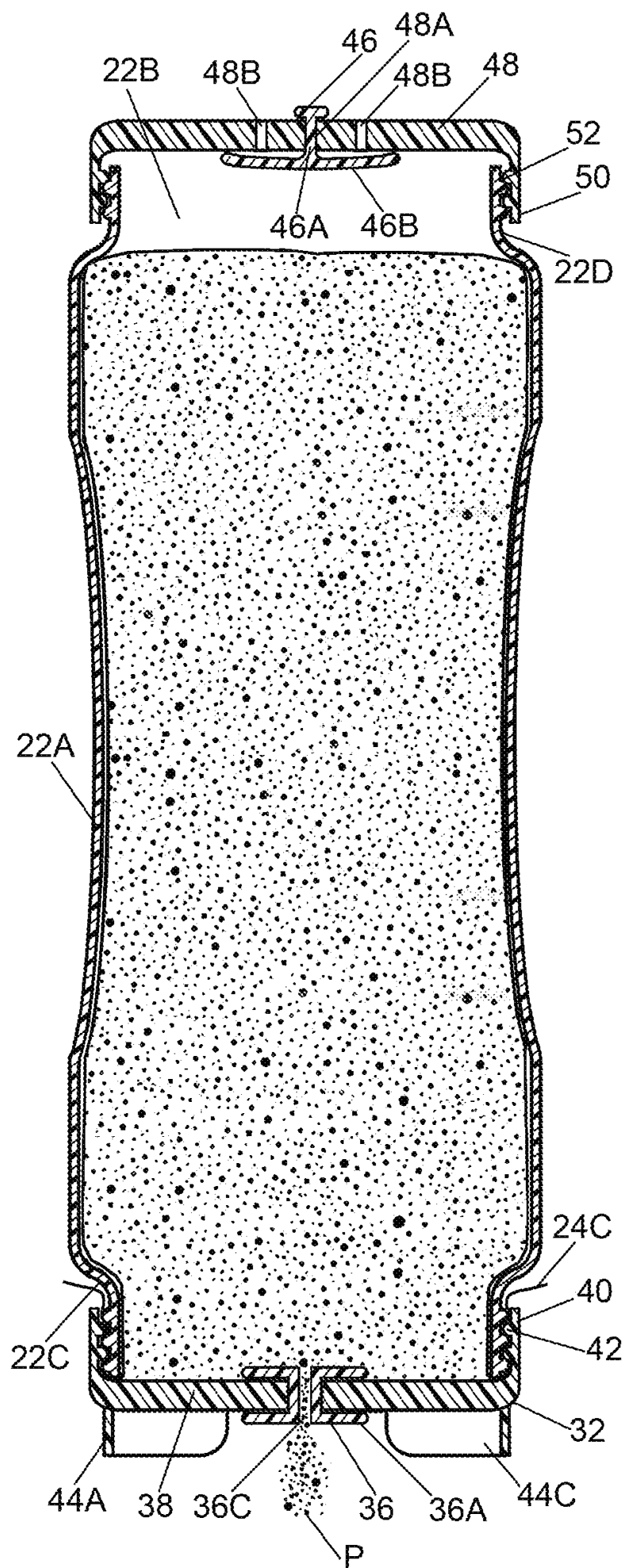
Family 96/100 - FAMPAT - ©Questel

Title

(US20170348715)

Dispensing system for dispensing flowable materials, flexible bag or pouch for use in dispensing system, and methods of filling dispensing bottles and dispensing flowable materials therefrom

Images



Publication data including kind & date[US20170348715](#)

A1 2017-12-07

US20170348715

**Abstract**

(US20170348715)

A dispensing system, a flexible bag or pouch for use therewith, and methods for filling a dispensing bottle with a flowable product and dispensing the same are disclosed. The system includes a flexible bag and a dispensing bottle. The flowable product is located in the bag. The bag includes a first end and a second end. The bottle includes an interior chamber, a squeezable sidewall surrounding the chamber and a bottom cap including a dispensing valve. The bag is disposed in the chamber with the second end opened to form an open mouth, whereupon the flowable product is in communication with the dispensing valve. Squeezing of the bottle's sidewall applies pressure to the flowable product to cause it to be dispensed out of the bottle through dispensing valve.

Inventors

BEER JEFFREY SCOTT

Latest standardized assignees - inventors removed

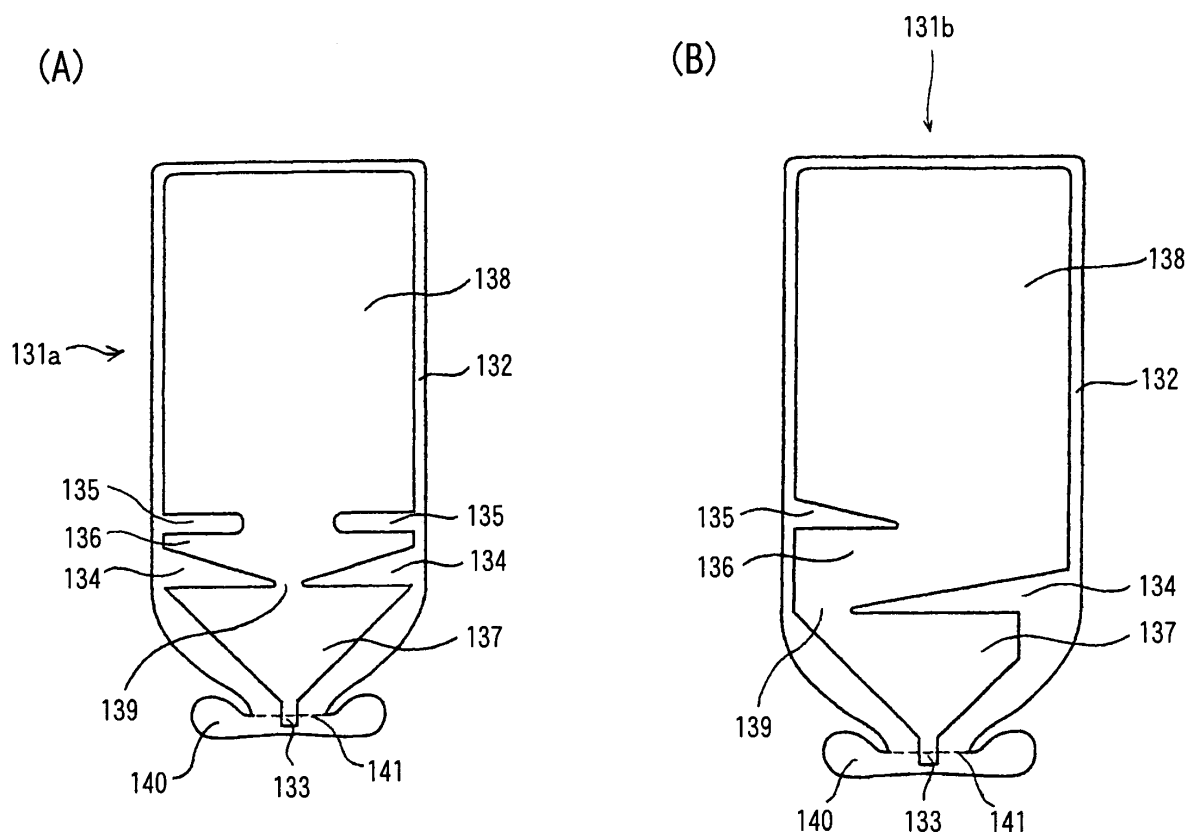
FRES

Family 97/100 - FAMPAT - ©Questel

Title

(EP1816083)

Method for manufacturing a pouch

Images**Publication data including kind & date**[WO2004048217](#)

A1 2004-06-10

WO200448217

[AU2002355024](#)

A1 2004-06-18

AU2002355024

[KR20050091708](#)

A 2005-09-15

KR20050091708

[EP1577223](#)

A1 2005-09-21

EP1577223

[CN1694834](#)

A 2005-11-09

CN1694834

[US20060072858](#)

A1 2006-04-06

US20060072858



EP1577223	A4	2006-04-19	EP1577223				
DE60218760	D1	2007-04-19	DE60218760				
EP1795455	A1	2007-06-13	EP1795455				
EP1816083	A1	2007-08-08	EP1816083				
DE60218760	T2	2007-11-15	DE60218760				
EP1577223	B1	2008-02-13	EP1577223				
EP1816083	B1	2008-08-13	EP1816083				
EP1795455	B1	2008-08-13	EP1795455				
DE60228349	D1	2008-09-25	DE60228349				
DE60228348	D1	2008-09-25	DE60228348				
CN101327668	A	2008-12-24	CN101327668				
CN101327667	A	2008-12-24	CN101327667				
CN100494006	C	2009-06-03	CN100494006C				
US7866886	B2	2011-01-11	US7866886				

Abstract

(EP1816083)

In the pouch manufacturing method, a branched part (254) is formed by folding back at least one side part of a web-form body member (240) at a fold-back line running along the feeding direction of this body member. The body member (240) is guided by a guide so that the pass line length of a portion occupying an arbitrary position is substantially constant from the initiation of fold-back to the completion of fold-back; accordingly, a natural and favorable fold-back can be achieved without generating any slack or wrinkles in the web, so that pouches such as pouches having a branched part (254) can be manufactured with a favorable appearance and commercial properties.

Inventors

KUROSAWA KAZUYUKI

MATSUDA NAOTO

KUNIHIRO ICHIRO

Latest standardized assignees - inventors removed

TOYO SEIKAN KAISHA

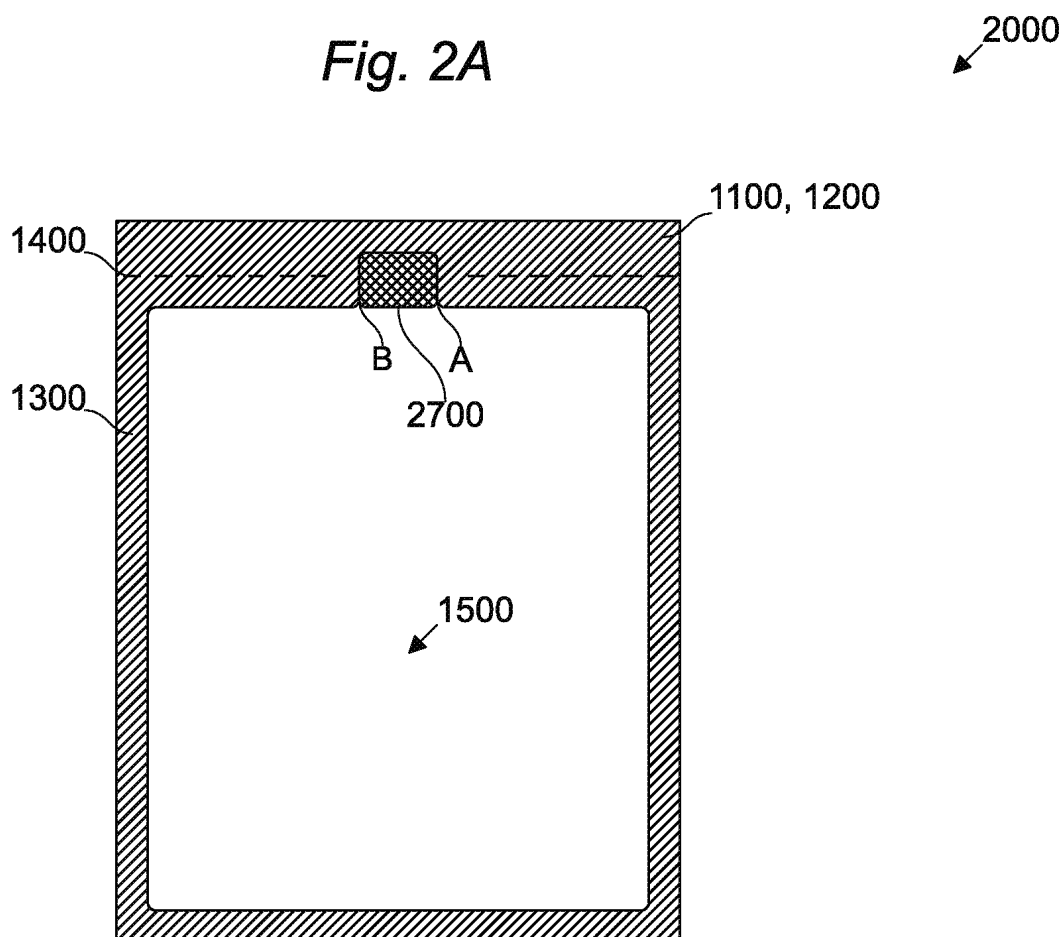
Family 98/100 - FAMPAT - ©Questel

Title

(WO201871477)

Pouch for fluid

Images

Fig. 2A**Publication data including kind & date**[WO2018071477](#)

A1 2018-04-19

WO201871477

**Abstract**

(WO201871477)

A pouch for fluid comprises: a first film (1100) and a second film (1200) connected to each other by means of a stronger seal (1300) and a weaker seal (2700) so as to form a cavity (1500) for a fluid, wherein the cavity (1500) has a perimeter and said perimeter comprises at least a part of the stronger seal (1300) and at least a part of the weaker seal (2700), and wherein the weaker seal (2700) is in proximity of the stronger seal (1300).

Inventors

AZAGURY MAURICE ELISON

PERREARD SARAH

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

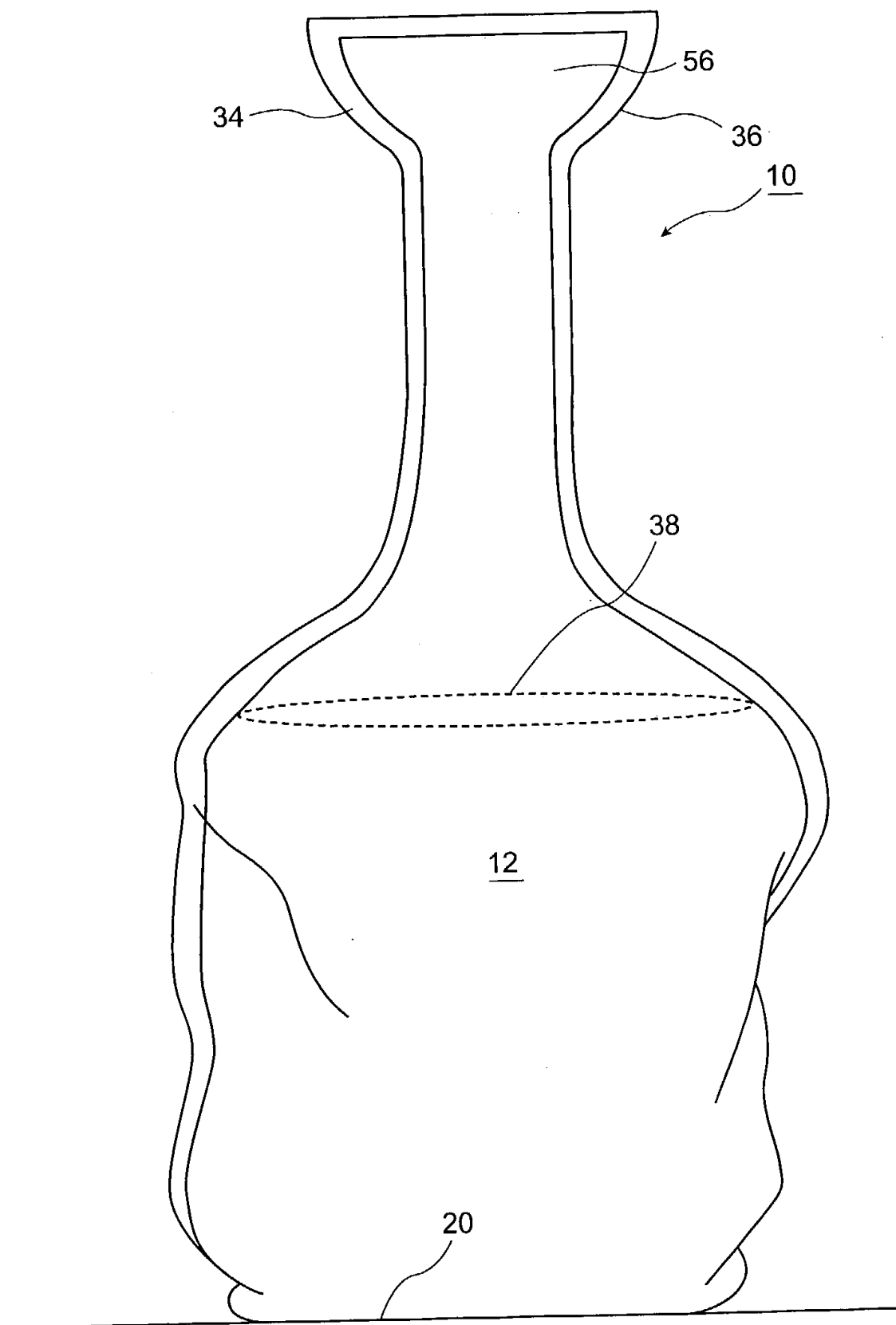
Family 99/100 - FAMPAT - ©Questel

Title

(US20040136620)

Stand-up pouch

Images

**Publication data including kind & date**[US20040136620](#)

A1 2004-07-15

US20040136620

**Abstract**

(US20040136620)

A pouch formed of sheeted material for use to contain a liquid is provided. The pouch comprises first and second walls formed by the sheeted material with each wall having peripheral edges; a body having a base, first and second upper body side edges, and first and second lower body side edges; a neck integrally formed with the body; and an internal reservoir defined by the body and the neck between the walls and above the base. The pouch generally has a broad base and a

narrow neck. When the internal reservoir is filled with a liquid and the pouch is sealed, the pouch stands on the base on a supporting surface, and is stable in an upright position.

Inventors

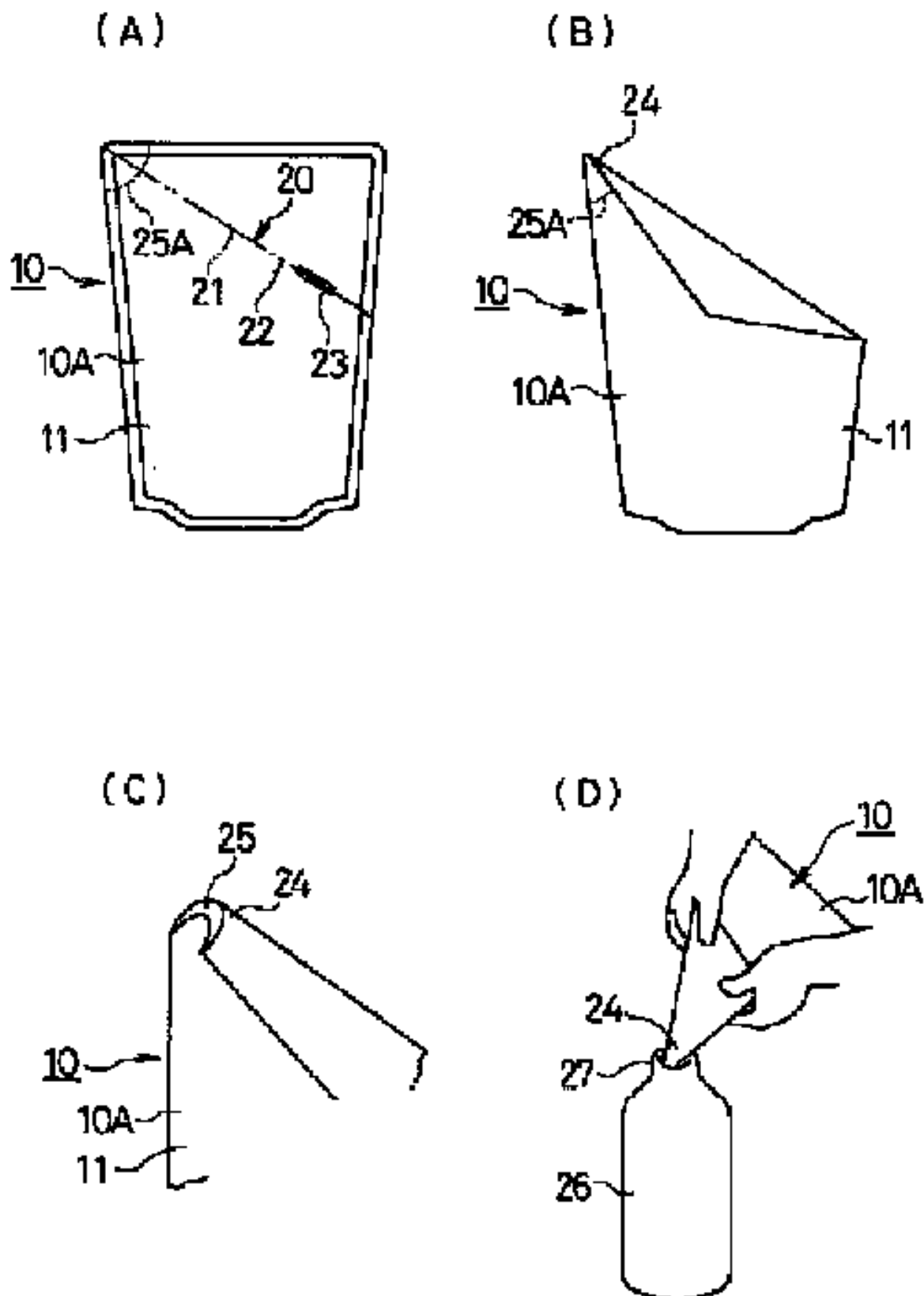
WILSON DEREK

Family 100/100 - FAMPAT - ©Questel

Title

(JP10338249)

Bag for refill

Images

Publication data including kind & date

JP10338249	A	1998-12-22	JP10338249
JP3077751	B2	2000-08-14	JP3077751

**Abstract**

(JP3077751)

PROBLEM TO BE SOLVED: To prevent the contents from being spilt and increase the refilling speed in a bag for refill.SOLUTION: A folding guide 20 of a bag for refill is formed in the bag body to shape a tapered front end 24 provided with a pouring opening 25 by folding the bag body 10 for refill.The folding guide 20 of the bag is constituted of an indication part 22 showing an expected folding part 21 with a line on the bag body, notches provided at the external edge of the expected folding line in the bag, or an seal part 23 formed at least at a part along the expected folding part 21.And further, the bag body is a self-supporting type.

Inventors

TAMAYA SHINTARO

Latest standardized assignees - inventors removed

KAO