

1) Family number: 61056004 (CN105129249A)

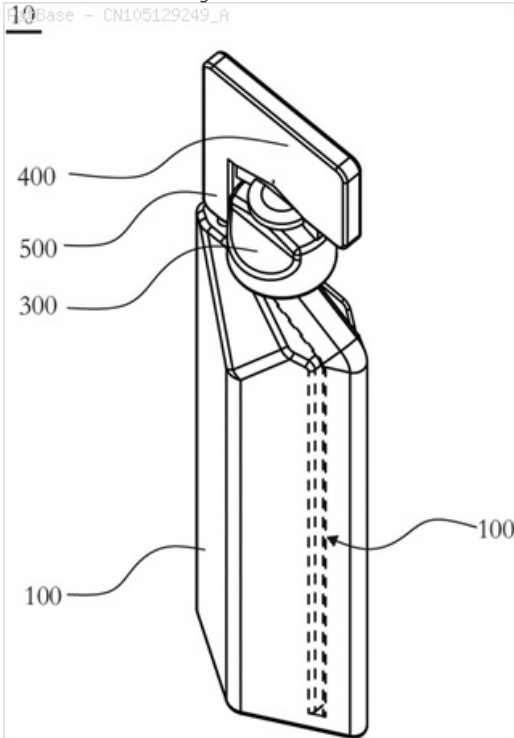
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Title: LIQUID PACKAGING BOTTLE

Abstract: The invention discloses a liquid packaging bottle. The liquid packaging bottle comprises a bottle body, a straw, a first untwisting part and a second untwisting part. The bottle body comprises a containing cavity used for containing liquid. The bottle body is provided with a first opening and a second opening which are communicated with the containing cavity. The straw is located in the containing cavity and connected to the inner wall of the containing cavity. One end of the straw is communicated with the first opening. The other end of the straw is located at the bottom of the containing cavity. The first untwisting part is connected to the bottle body and seals the first opening. When the first untwisting part is separated from the bottle body, the first opening is opened, and the second untwisting part is connected to the bottle body and seals the second opening; when the second untwisting part is separated from the bottle body, the second opening is opened. By means of the liquid packaging bottle, the tightness of liquid in the bottle is kept, and pollutant outside the bottle is prevented from entering the bottle.

Classifications:

International (IPC 8-9): B65D47/12 B65D83/32
B65D85/72 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN105129249 A	20151209	CN201510599337	20150917
■ CN105129249 B	20171229	CN201510599337	20150917

Priority:

CN201510599337 20150917

Probable Assignee: GUANGDONG JOCHI BIOTECHNOLOGY CO LTD

Assignee(s): (std): GUANGDONG HUAZHOU TRADITIONAL CHINESE MEDICINE FACTORY PHARMACEUTICAL CO LTD ; GUANGDONG JOCHI BIOTECHNOLOGY CO LTD ; XIANGXUE PHARMACEUTICAL CO LTD ; GUANGZHOU XIANGXUE PHARMACEUTICAL CO LTD

Assignee(s): XIANGXUE PHARMACEUTICAL CO ; GUANGDONG JOCHI BIOTECHNOLOGY CO ; GUANGDONG PHARMACEUTICAL CO LTD OF STATE IN PHARMACEUTICAL ; GUANGDONG 9 BIOTECHNOLOGY CO LTD ; GUANGDONG HUAZHOU TRADITIONAL CHINESE MEDICINE FACTORY PHARMACEUTICAL CO

Inventor(s): (std): WANG YONGHUI ; KANG ZHIYING ; ZENG YI ; FU FANGFEI

2) Family number: 30715010 (US2004129337A)

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Title: FLEXIBLE POUCH WITH SELF-CONTAINED STRAW AND METHOD OF FORMING

Abstract: A flexible pouch with a self-contained straw for packaging a product includes a front panel and a back panel each having an upper edge, a lower edge opposite the upper edge, and side edges extending therebetween the upper and lower edges.

A straw is disposed inside the pouch at an angle between an upper corner of the pouch and an opposite lower corner. The pouch includes a first seal applied to the upper corner of the pouch to form a pocket for holding an upper end of the straw, and a second seal extending along the unsealed EOxI portion of the upper edge of the pouch to close the pouch. A method of forming and filling a flexible pouch with an integral straw includes the steps of forming each of the panels and joining two panels by sealing together their side edges and lower edge to form the pouch. The method also includes the steps of opening the pouch and inserting the straw into the pouch by positioning the straw at an angle between an upper corner of the pouch and an opposite lower corner. The method further includes the steps of applying a first seal to the upper corner of the pouch to form a pocket for holding an upper end of the straw, and filling the pouch with the product. The method also includes the steps of applying a second seal extending along the unsealed portion of the upper edge of the pouch to close the pouch.

Classifications:

International (IPC 8-9): B65B61/20 B65D75/58

B65D77/28 (Advanced/Invention);

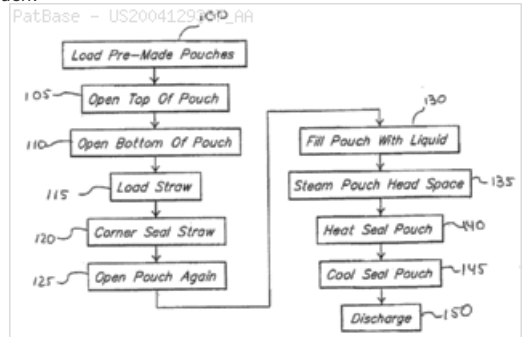
B65B61/20 B65D75/52 B65D77/24 (Core/Invention)

International (IPC 1-7): B65B1/04 B65B3/04

CPC: B65B61/205 B65D75/58 B65D75/5811 B65D77/28

European: B65B61/20C B65D75/58 B65D75/58B1 B65D77/28

US: 141/1 141/10 141/114 141/313 206/217 229/103.1 53/128.1 53/410



Family:

Publication number	Publication date	Application number	Application date
US2004129337 AA	20040708	US20030696802	20031030
US6854490 BB	20050215	US20030696802	20031030

Priority:

US20020422281P 20021030 US20030696802 20031030

Probable Assignee: POUCH PAC INNOVATIONS LLC

Assignee(s): (std): MURRAY R CHARLES ; PPL TECHNOLOGIES LLC

Assignee(s): POUCH PAC INNOVATIONS LLC ; PPI TECHNOLOGIES LLC

Inventor(s): (std): MURRAY R CHARLES

Agent(s): GIFFORD KRASS GROH SPRINKLE ANDERSON AND CITKOWSKI PC

3) Family number: 4794036 (US5054684A)

PatBase

Title: PACKAGE FOR LIQUID

Abstract: The invention relates to a package for liquid made of a coated cardboard composite, having a pierceable opening for a drinking straw, which has incisions 11 running towards one another in the form of rays or a star, and preferably a cutout 9 located at the star point of the incisions. An opening thus constructed for a drinking straw easily enables an arbitrarily concentric expansion of the star flaps located between the incisions, so that said flaps rest sealingly on the drinking straw in each case. This guarantees for different drinking straws a uniform opening for the drinking straw which can be introduced into the multilayer cardboard composite both before it is coated and after it is coated.

Classifications:

International (IPC 8-9): B65D5/70 B65D77/28 (Advanced/Invention);

B65D5/70 B65D77/24 (Core/Invention)

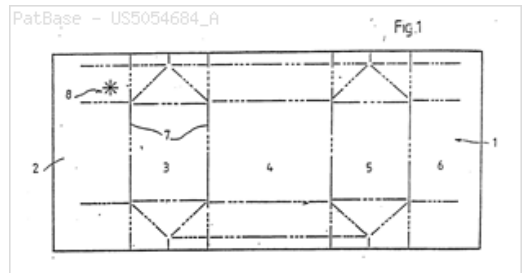
International (IPC 1-7): B65B61/18 B65D5/40 B65D5/42 B65D5/70

B65D77/28 B65D85/72

CPC: B65D5/701 B65D2231/02 B65D2231/022

European: B65D5/70B L65D231/02 L65D231/02A

US: 215/1A 215/388 229/103.1



Family:

Publication number	Publication date	Application number	Application date
AT108394 E	19940715	AT19900107494T	19900420
DE3914497 A1	19901108	DE19893914497	19890502
DE59006397 D1	19940818	DE19905006397	19900420
EP0395949 A1	19901107	EP19900107494	19900420
EP0395949 B1	19940713	EP19900107494	19900420
US5054684 A	19911008	US19900515863	19900427
ZA9003341 A	19910227	ZA19900003341	19900502

Priority:

DE19893914497 19890502 DE19905006397 19900420

Probable Assignee: PKL VERPACKUNGSSYSTEME GMBH

Assignee(s): (std): PKL VERPACKUNGSSYSTEME GMBH

Assignee(s): PKL VERPACKUNGSSYSTEME GMBH 4000 DUESSELDORF DE

Inventor(s): (std): DAMMERS MATTHIAS ; FAERBER JUERGEN ; DAMMERS MATHIAS ; JUERGEN FAERBER ; MATHIAS DAMMERS

Inventor(s): DAMMERS MATHIAS 5110 ALSDORF DE ; DAMMERS MATHIAS D 5110 ALSDORF DE ; FAERBER JUERGEN

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL SE

4) Family number: 34972111 (WO07088512A2)

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Title: MULTIFUNCTIONAL CONTAINER FOR LIQUIDS

Abstract: The invention relates to a multifunctional container for liquids intended for human consumption, which operates with a vacuum and which has different functions. The container is essentially formed by a closed chamber and a generally-open chamber which are intercommunicated with one another. The level of liquid in the closed chamber can be above that in the open chamber without producing an overflow as a result of the vacuum generated inside the former. The different elements of the container are shaped and arranged such as to enable multiple features, such as: conserving the consistency and temperature of the liquid for a longer time, preventing direct contact between ice and other floating elements and the consumer, maintaining the hygienic status of the liquid, facilitating the consumption of the liquid in any position, reducing liquid overflow, facilitating the regulation of the liquid discharge flow rate, preventing visual range from being obstructed when consuming the liquid and facilitating cleaning, among others.

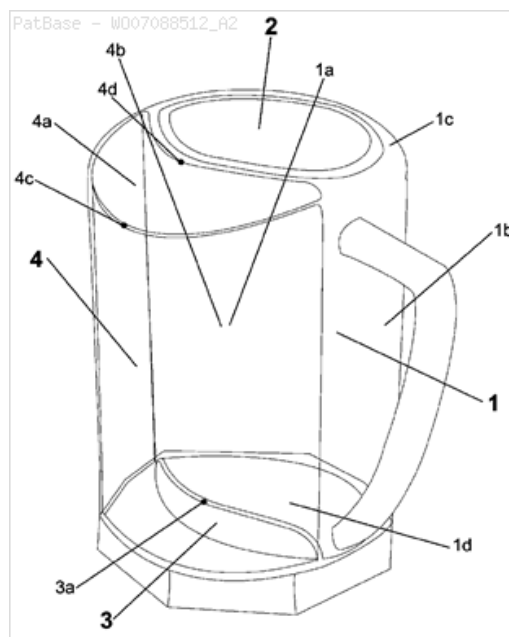
Classifications:

International (IPC 8-9): A47G19/22 (Advanced/Invention);

A47G19/22 B65D25/00 B65D25/04 (Core/Invention)

CPC: A47G19/2205 A47G19/2288

European: A47G19/22B A47G19/22Q



Family:

Publication number	Publication date	Application number	Application date
MXNL06000007 A1	20070730	MX2006NL00007	20060131
WO07088512 A2	20070809	WO2007IB50316	20070131
WO07088512 A3	20071213	WO2007IB50316	20070131

Priority:

MX2006NL00007 20060131

Probable Assignee: MOEDANO HUMBERTO RODRIGUEZ

Assignee(s): (std): MOEDANO HUMBERTO RODRIGUEZ ; RODRIGUEZ MOEDANO HUMBERTO ; RODRIGUEZ MOEDANO MISAE

Assignee(s): HUMBERTO RODRIGUEZ MOEDANO

Inventor(s): (std): RODRIGUEZ MOEDANO HUMBERTO ; RODRIGUEZ MOEDANO MISAE ; MOEDANO MISAE RODRIGUEZ ; MOEDANO HUMBERTO RODRIGUEZ

Inventor(s): HUMBERTO RODRIGUEZ MOEDANO ; MISAE RODRIGUEZ MOEDANO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 23922163 (US6450351B)

© PatBase

Title: Compartmented container

Abstract: A multi-compartmented container with flexible material simple opening means so that a seal is peeled back from a container compartment opening to allow drinker access to a beverage contained within the container compartment while another container compartment remains sealed.

Classifications:

International (IPC 8-9): B65D1/04 B65D51/20

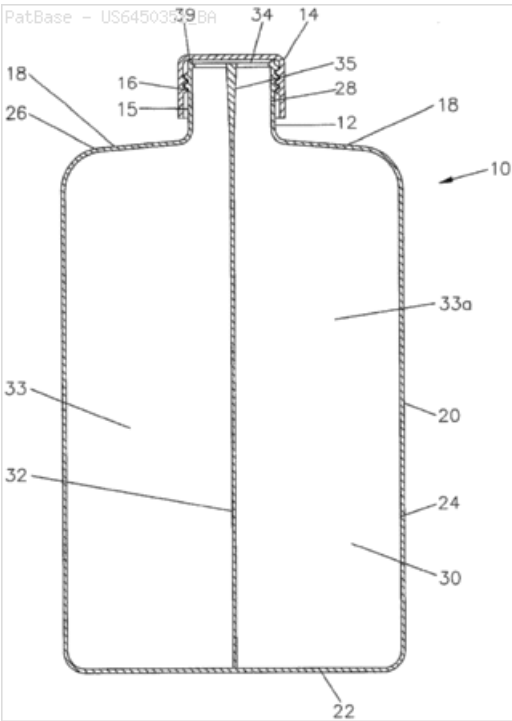
B65D77/20 (Advanced/Invention);

B65D1/04 B65D51/18 B65D77/10 (Core/Invention)

International (IPC 1-7): B65D25/04

CPC: B65D1/04 B65D51/20 B65D2203/00 B65D2251/0015

B65D2251/0093 B65D2577/205
European: B65D1/04 B65D51/20 L65D203/00 L65D251/00Y2D
L65D251/00Y6M L65D577/20M1
US: 215/388 215/6 220/524 220/710



Family:

Publication number	Publication date	Application number	Application date
US6450351 BA	20020917	US20010933703	20010822
US6499614 BA	20021231	US20020185316	20020701

Priority:

US20010933703 20010822 US20020185316 20020701

Probable Assignee: THOMPSON GAREY

Assignee(s): THOMPSON GAREY

Inventor(s): (std): THOMPSON GAREY

6) Family number: 50263274 (WO12000938A1)

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Title: PACKAGE AND PACKAGING UNIT

Abstract: A package comprises a first package portion (10) having an internal space (12) for holding filling (16) and a second package portion (20) closing the internal space in a fluid-tight manner in a closed state of the package and allowing withdrawal of filling from the package in an opened state of the package. The second package portion is implemented such that when the package is opened a fluidic connection between internal space and environment is generated at an initial opening location. A separator (26) is provided allowing, when the package is opened, a discharge of gas from the internal space and thereby a pressure compensation between internal space and environment, and preventing a discharge of filling during pressure compensation. The separator can be provided between internal space and primary opening location (24). Alternatively, the primary opening location can be provided between internal space and separator.

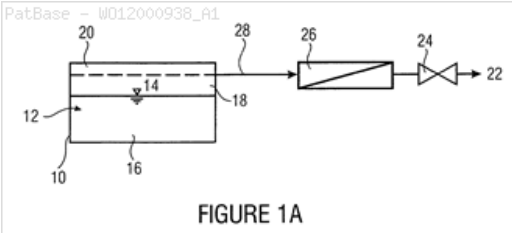
Classifications:

International (IPC 8-9): B65D51/16 B65D77/20

B65D81/20 (Advanced/Invention)

CPC: B65D51/1672 B65D75/5805 B65D77/2024 B65D2205/00

European: B65D51/16E B65D75/58B B65D77/20E L65D205/00



Family:

Publication number	Publication date	Application number	Application date
DE102010030670 A1	20111229	DE201010030670	20100629
DE102010030670 B4	20130307	DE201010030670	20100629
EP2588387 A1	20130508	EP20110728624	20110627
WO12000938 A1	20120105	WO2011EP60717	20110627

Priority:

DE201010030670 20100629 WO2011EP60717 20110627

Probable Assignee: UNIV ALBERT LUDWIGS FREIBURG

Assignee(s): (std): UNIV ALBERT LUDWIGS FREIBURG ; VON STETTEN FELIX

Assignee(s): ALBERT LUDWIGS UNIV FREIBURG ; ALBERT LUDWIGS UNIVERSITAET FREIBURG

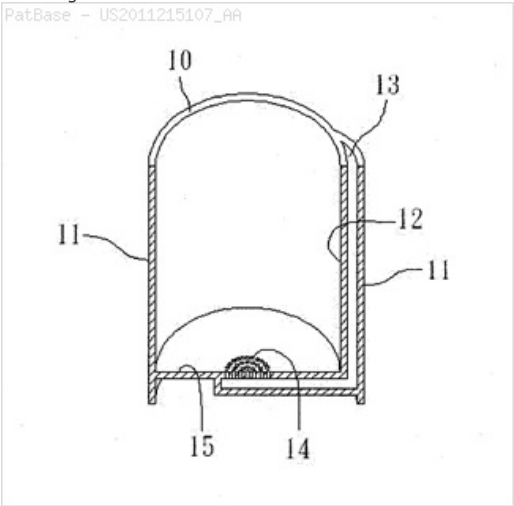
Inventor(s): (std): STETTEN FELIX VON ; VON STETTEN FELIX
Agent(s): STOECKELER FERDINAND; STOECKELER FERDINAND ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 49549299 (US2011215107A) © PatBase

Title: LIQUID CONTAINER WITH INTEGRATED STRAW

Abstract: A liquid container having a tubular wall or handle formed integral with the peripheral wall of the container body thereof and a suction hole defined in the tubular wall or handle in communication with the holding space surrounded by the container body so that the user can drink the liquid from the container body with the mouth through the suction hole.

Classifications:
International (IPC 8-9): A47G19/22 (Advanced/Invention)
CPC: A47G19/22
US: 220/705



Family:

Publication number	Publication date	Application number	Application date
US2011215107 AA	20110908	US20100719196	20100308

Priority:
US20100719196 20100308

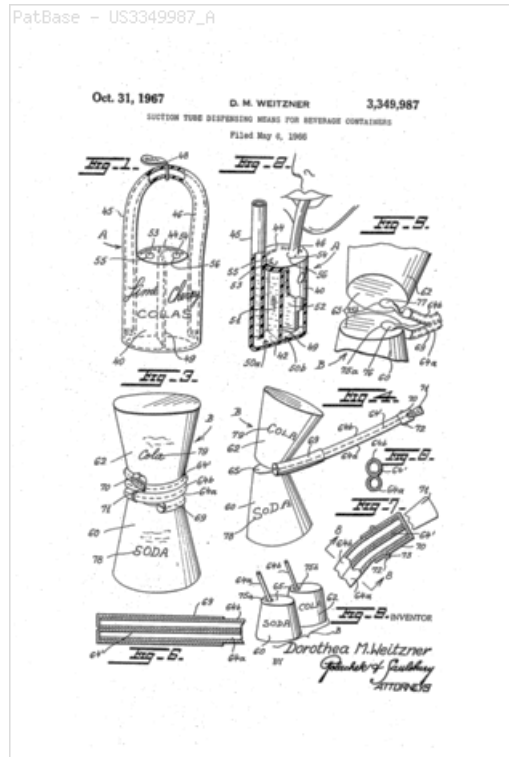
Probable Assignee: LEE TZU KANG
Assignee(s): (std): LEE TZU KANG
Inventor(s): (std): LEE TZU KANG

8) Family number: 22949380 (US3349987A) © PatBase

Title: SUCTION TUBE DISPENSING MEANS FOR BEVERAGE CONTAINERS

Abstract: (Claim 1) 1. A beverage container assembly comprising a hollow container body for containing a beverage and suction tube means attached at least in part to the container body for drawing the beverage out of the container body, said body being generally cylindrical in form, a partition in said body dividing the same into two compartments, said suction tube means comprising two tubes integrally formed with said co-ntainer body at opposite sides thereof, said tubes having lower ends extending into the respective compartments and upper ends detachably joined together over said body, whereby beverage in the respective compartments can be drawn out of the compartments through the respective tubes, said container body having weakened circular lines in the top thereof above the compartments defining plugs adapted to be manually pushed in forming openings in the respective compartments to admit air.

Classifications:
International (IPC 8-9): A47G21/18 B65D1/04 B65D77/28 (Advanced/Invention);
A47G21/00 B65D1/04 B65D77/24 (Core/Invention)
International (IPC 1-7): B65D23/00
CPC: A47G21/18 B65D1/04 B65D77/286
European: A47G21/18 B65D1/04 B65D77/28D
US: 215/388 215/389 215/6 220/705 220/710 229/103.1 229/117.26 229/120 229/120.02 229/120.07

**Family:**

Publication number	Publication date	Application number	Application date
US3349987 A	19671031	US19660548299	19660506

Priority:

US19660548299 19660506

Probable Assignee:

WEITZNER DOROTHEA M

Assignee(s): (std):

WEITZNER DOROTHEA M

Inventor(s): (std):

WEITZNER DOROTHEA M

9) Family number: 22234403 (US3092275A)

© PatBase

Title: CONTAINER FOR BEVERAGES

Abstract: (Claim 1) 1. A container of plastic material, consisting in a hollow body having a tapering neck, a duct substantially coextensive with the length of the body, integral with it and located along its side, a web separating the body and the duct and discontinued between the neck and the duct, a port between the lower end of the duct and the cavity of the body close to the base of the latter, and a passage between the neck of the body and the upper end of the duct.

Classifications:

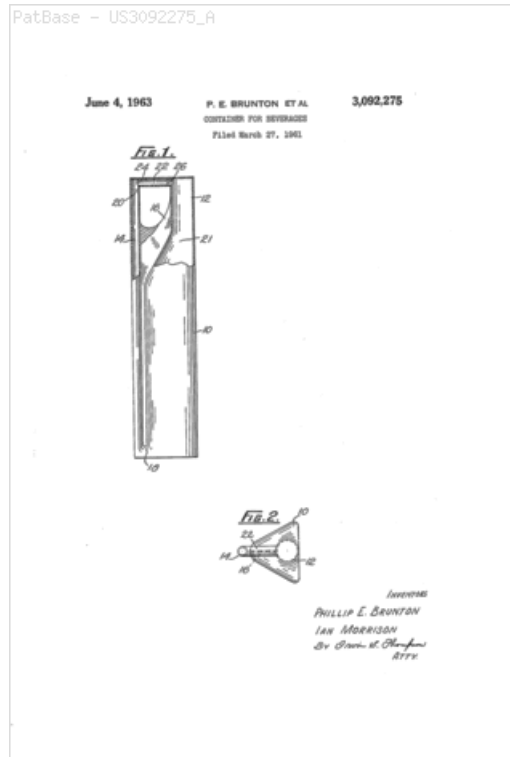
International (IPC 8-9): B65D1/02 B65D77/28 (Advanced/Invention);
B65D1/02 B65D77/24 (Core/Invention)

International (IPC 1-7): B65D1/00

CPC: Y10S215/902 B65D77/286 B65D1/0223 B65D2501/0063
B65D2501/0081

European: B65D1/02D B65D77/28D L65D501/02Y5 L65D501/02Y9

US: 215/389 215/902 222/468

**Family:**

Publication number	Publication date	Application number	Application date
■ US3092275 A	19630604	US19610098435	19610327

Priority:

US19610098435 19610327

Probable Assignee: BRUNTON PHILLIP E**Assignee(s):** (std): BRUNTON PHILLIP E ; IAN MORRISON**Inventor(s):** (std): IAN MORRISON ; BRUNTON PHILLIP E**Inventor(s):** MORRISON IAN**10) Family number: 43925430** (US2009266787A)

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Title: STRAW-LESS WATER BOTTLE

Abstract: A new type of a water bottle is described. A suction mechanism is built into the structure of the water bottle. The apparatus also contains a retractable mouthpiece built into the bottle cap as an extension of the cap and which forms part of the internal suction mechanism. This mouthpiece retracts and closes to an airtight seal when not in use so that any carbonated beverage maintains its freshness during storage. Also a mechanism for maintaining internal liquid levels in the suction mechanism is described which serves to prevent air entry into the suction mechanism between suction.

Classifications:

International (IPC 8-9): B65D83/00 (Advanced/Invention);
B65D83/00 (Core/Invention)

CPC: B65D43/0227 B65D47/305 B65D77/28 B65D81/24 B65D2543/00046

European: B65D43/02S7A B65D47/30B B65D77/28 B65D81/24
L65D543/00Y1D

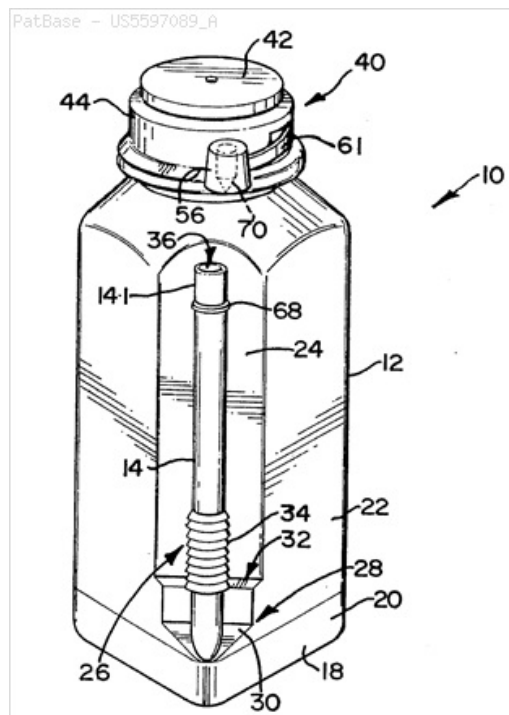
US: 215/387

Publication number	Publication date	Application number	Application date
US2009266787 AA	20091029	US20090430113	20090427

Probable Assignee:	SON EDWARD M
Assignee(s): (std):	SON EDWARD M
Inventor(s): (std):	SON EDWARD M
Agent(s):	EDWARD M SON

Classifications:

US: 215/256 215/389 215/901 220/207 220/267 220/277 220/710

**Family:**

Publication number	Publication date	Application number	Application date
AU199472875 A1	19960321	AU19940072875	19940908
AU680926 B2	19970814	AU19940072875	19940908
BRPI9403504 A	19960903	BR1994PI03504	19940909
CA2131435 AA	19960303	CA19942131435	19940902
CN1119170 A	19960327	CN19941016137	19940919
CZ217994 A3	19960313	CZ19940002179	19940908
CZ9402179 A3	19960313	CZ19940002179	19940908
EP0698564 A1	19960228	EP19940306171	19940822
HU3834 A1	19971128	HU19940002878	19941006
HU9402878 A0	19941228	HU19940002878	19941006
NZ280530 A	19980728	NZ19950280530	19951127
US5597089 A	19970128	US19940300534	19940906
ZA9402915 A	19950103	ZA19940002915	19940426

Priority:

ZA19930000657	19930129	EP19940306171	19940822	CA19942131435	19940902
US19940300534	19940906	AU19940072875	19940908	CZ19940002179	19940908
CZ19990002179	19940908	BR1994PI03504	19940909	CN19941016137	19940919
HU19940002878	19941006	NZ19950280530	19951127		

Probable Assignee: SMITH

Assignee(s): (std): SMITH ; SMITH WILLEM J ; SMITH WILLEM JOHANNES ; W J SMITH ; WILLEM JOHANNES SMITH

Inventor(s): (std): SMITH WILLEM JOHANNES ; W J SMITH ; WILLEM JOHANNES SMITH ; SMITH W J ; SMITH WILLEM J

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

12) Family number: 40845466 (US2008073363A)

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Title: DRINKING CUP AND COVER WITH FLOW DIRECTING ASSEMBLY

Abstract: A drinking cup that includes a container base for holding a liquid to be consumed, and lid having a drinking spout that is removable attachable to the container base and a flow directing assembly that is coupled to the lid which flow directing assembly allows liquid in the container base to be extracted through the drinking spout when the drinking cup is tilted so that the drinking spout is located at an upper position on the lid.

Classifications:

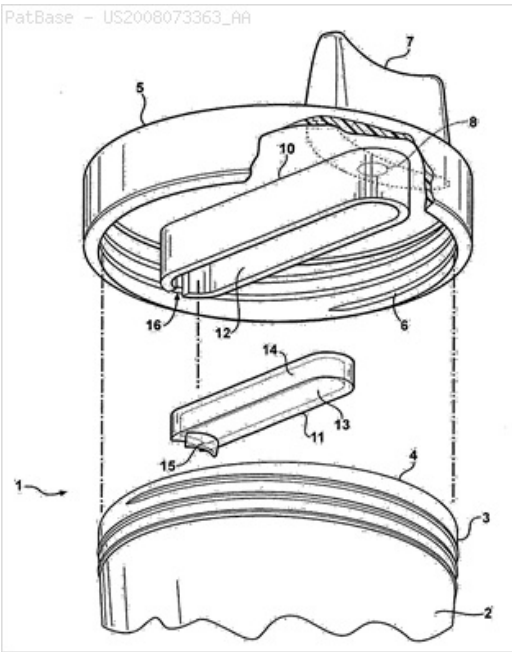
International (IPC 8-9): A47G19/22 (Advanced/Invention);

A47G19/22 (Core/Invention)

CPC: A47G19/2272

European: A47G19/22B12G

US: 220/717



Family:

Publication number	Publication date	Application number	Application date
US2008073363 AA	20080327	US20060438110	20060519
WO07136748 A2	20071129	WO2007US11903	20070518
WO07136748 A3	20080306	WO2007US11903	20070518

Priority:

US20060438110 20060519

Probable Assignee: HIGGINS DANIEL

Assignee(s): (std): HIGGINS DANIEL

Inventor(s): (std): HIGGINS DANIEL

Agent(s): BUTZEL LONG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 34916495 (US2007170188A)

© PatBase

Title: STACKABLE CUPS WITH INTEGRAL EXTENDABLE STRAW

Abstract: Apparatus 10 discloses a disposable cup 12 incorporating an integral slidably extendable retractable straw 14 with a plurality of cups stackable through employment of a channel 24 extending the length of the cup for encompassing the internal straw. A tubular member 26 having an aperture 28 on its lower end is disposed on the interior wall 16 of the cup 12 for slidably receiving the straw 14 therein so that suction applied to the straw draws fluid from the cup.

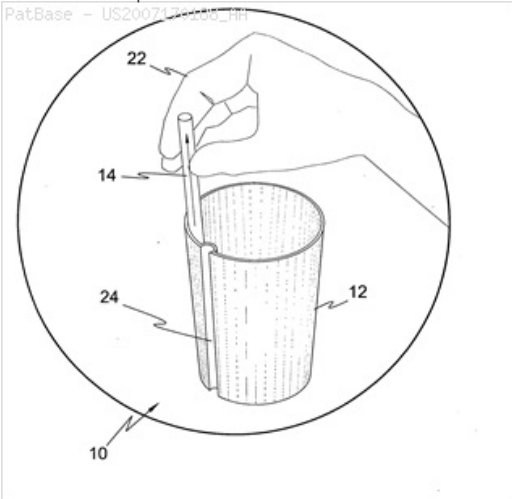
Classifications:

International (IPC 8-9): A47G19/22 (Advanced/Invention); A47G19/22 (Core/Invention)

CPC: A47G19/2266 B65D21/0233 B65D77/28

European: A47G19/22B12 B65D21/02F B65D77/28

US: 220/710



Family:

Publication number	Publication date	Application number	Application date
US2007170188 AA	20070726	US20060337869	20060123

Priority:

US20060337869 20060123

Probable Assignee: GUILLAUME JOCELAIN J

Assignee(s): (std): GUILLAUME JOCELAIN J

Inventor(s): (std): GUILLAUME JOCELAIN J

Inventor(s): GUILLAUME JOCELAIN ; GUILLAUME JOCELAIN JOSEPH

Agent(s): MICHAEL I KROLL

14) Family number: 30054502 (US2003217283A)

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Title: METHOD AND SYSTEM FOR ENCRYPTED NETWORK MANAGEMENT AND INTRUSION DETECTION

Abstract: A network security system includes a system data store capable of storing a variety of data associated with an encrypted computer network and communications transmitted thereon, a communication interface supporting communication over a communication channel and a system processor. Data corresponding to communications transmitted over the encrypted communication network are received. One or more tests are applied to the received data to determine whether a particular communication represents a potential security violation. An alarm may be generated based upon the results of the applied test or tests.

Classifications:

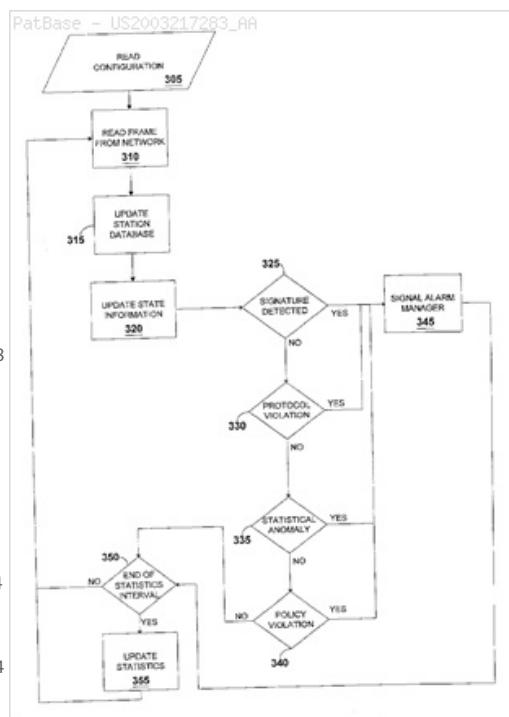
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International (IPC 1-7): G06F11/30 G06F12/14 G06F15/173 H04L12/26 H04L12/28 H04L12/66 H04L9/00 H04L9/32 H04Q7/20 H04Q7/24

CPC: H04L63/1408 H04L63/1491 H04W12/12 H04W88/08 H04L41/0681 H04L63/1433 H04L63/1458 H04W84/12 H04W12/02 H04W8/26 H04W24/00 H04L63/0428 H04W12/08 H04L41/0246 H04L41/12 H04L41/28 H04W48/16 H04W64/00 H04W84/00 H04L63/0263 H04L63/102 H04L43/0817 G06F1/00 G06F15/173 H04W4/023 H04L41/0896 H04W28/20 H04L47/14 H04L47/20 H04L67/025 H04L67/12 H04L67/125 H04L41/0893 H04L41/06 H04L63/1425 H04L63/1441 H04W84/18 H04L63/1416

European: H04L12/24C2 H04L12/24D H04L12/24E3 H04L29/06C6B H04L29/06C6C H04L29/06C6C2 H04L41/06E H04L41/08F H04L41/12 H04L43/08D H04L63/02B6 H04L63/10B H04L63/14A H04L63/14A1 H04L63/14A2 H04L63/14C H04L63/14D H04L63/14D10 H04L63/14D2 H04W10/00 H04W12/02 H04W12/08 H04W12/12 H04W212/02 H04W212/08 H04W212/12 H04W224/00 H04W31/08 H04W6/02 H04W6/04 H04W6/08 H04W84/00 T04L12/24A7 T04L12/24D T04L12/24E3 T04L12/24G T04L41/02G T04L41/06 T04L41/06E T04L41/08F T04L41/28 T04L63/04B T04L63/14A T04L63/14A1 T04L63/14C T04W12/12 T04W212/12 T04W24/00 T04W288/08 T04W4/187 T04W48/16 T04W52/04 T04W6/04 T04W64/00 T04W8/26 T04W84/12 T04W88/08

US: 370/242 370/245 370/250 370/277 370/310 370/310P 370/328 370/329 370/338 370/338P 370/338S 370/343 370/352 370/352P 370/390 370/390P 370/392 370/447 370/461 370/469 370/469S 370/474 380/255 380/270 455/161.1 455/161.2 455/161.3 455/404.1 455/404.2 455/41.2 455/41.200S 455/410 455/411 455/423 455/424 455/425 455/433 455/433S 455/434 455/434P 455/435.1 455/435.100P 455/456.1 455/456.100P 455/456.100S 455/457 455/509 455/509S 455/515 455/515P 455/516 455/516S 455/552.1 455/552.100S 455/63.1 455/63.3 455/67.11 455/67.13 709/223 709/223S 709/224 709/224P 713/1 713/150 713/151 713/161 713/168 713/200 713/201 726/1 726/11 726/11P 726/12 726/13 726/14 726/1P 726/2 726/22 726/23 726/23P 726/23S 726/25 726/26 726/26P 726/27 726/3 726/4 726/7



Family:

Publication number	Publication date	Application number	Application date
AU2003241523 AA	20031212	AU20030241523	20030520
AU2003241523 BB	20090806	AU20030241523	20030520
CA2486519 AA	20041117	CA20032486519	20030520
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DE60348307 D1	20160107	DE20036048307	20030520
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EP1522020 A4	20110119	EP20030731262	20030520
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US2003217283 AA	20031120	US20020161137	20020603
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US2004209634 AA	20041021	US20030700844	20031104
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US2008201763 AA	20080821	US20080108429	20080423
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US7526808 BB	20090428	US20060370611	20060308
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WO03100559 A2	20031204	WO2003US15844	20030520
WO03100559 A3	20040513	WO2003US15844	20030520
WO04095192 A2	20041104	WO2004US12227	20040421
WO04095192 A3	20071129	WO2004US12227	20040421

Priority:

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US20060370611	20060308	US20060382218	20060508	US20060551315	20061020
US20080108429	20080423				

Probable Assignee: EXTREME NETWORKS INC

Assignee(s): (std): AIR DEFENSE INC ; AIRDEFENSE INC ; AIRDEFENSE INC A GEORGIA CORP ; HRASTAR SCOTT ; LYNN MICHAEL T

Assignee(s): HRASTAR SCOTT E ; TANZELLA FRED C ; SALE EDWIN L ; LYNN MICHAEL THOMAS ; SILICON VALLEY BANK ; AIRDEFENSE INC ALPHARETTA ; AIRDEFENSE LLC ; BANK OF MONTREAL ; EXTREME NETWORKS INC ; HOLLINGSWORTH DAWN M

Inventor(s): (std): HRASTAR SCOTT ; LYNN MICHAEL T ; SALE EDWIN L ; HOLLINGSWORTH DAWN M ; HRASTAR SCOTT E ; TANZELLA FRED C ; LYNN MICHAEL THOMAS ; LYNN MICHAEL THOMAS ; HADDAD ISSAM NADIM ; DAWN M HOLLINGSWORTH ; FRED C TANZELLA ; MICHAEL THOMAS LYNN ; SCOTT E HRASTAR ; EDWIN L SALE

Inventor(s): LYNN MICHAEL ; TANZELLA FRED C ATLANTA ; HOLLINGSWORTH DAWN M ATLANTA ; SALE EDWIN L LAWRENCEVILLE ; LYNN MICHAEL THOMAS ROSWELL ; HRASTAR SCOTT E DULUTH

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SPRUSON AND FERGUSON; CULLENS PTY LTD; FETHERSTONHAUGH AND CO; GOWLING LAFLEUR HENDERSON LLP; PERRY AND CURRIER; SMART AND BIGGAR; SCHUMACHER AND WILLSAU PATENTANWALTSGESELLSCHAFT MBH; WRAY ANTONY JOHN; CARVAJAL Y ISABEL; NAGENDRA SETTY, JONES DAY; NAGENDRA SETTY JONES DAY; FISH AND RICHARDSON PC; CLEMENTS BERNARD MILLER; JONES DAY; LAWRENCE A; CLEMENTS WALKER; CHRISTOPHER L; BARATTA JR LAWRENCE A; BERNARD CHRISTOPHER L; MILLER CLEMENTS BERNARD; CLEMENTS BERNARD; CLEMENTS BERNARD PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

15) Family number: 41473703 (US2008035653A)

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Title: PRE-FILLABLE AND DISPOSABLE SIPPY CUP

Abstract: A pre-fillable and disposable sippy cup includes a one piece main body and a dispensing spout that can be easily configured for use by either toddlers or older children.

Classifications:

International (IPC 8-9): A47G19/22 (Advanced/Invention);

A47G19/22 (Core/Invention)

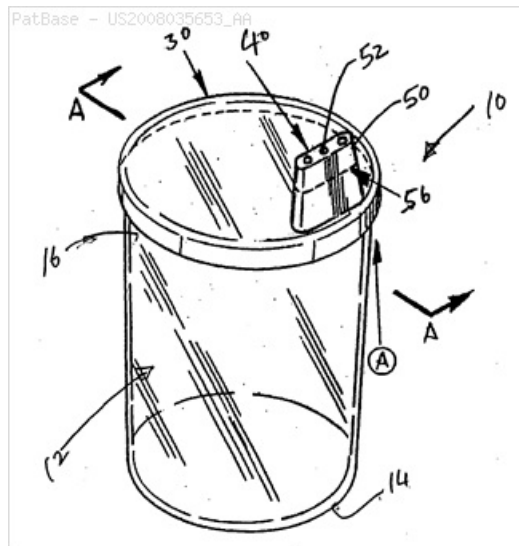
CPC: B65D43/0202 B65D2543/00046 B65D2543/00092 B65D2543/00296

B65D2543/00425 B65D2543/00527 B65D2543/00537

European: B65D43/02S L65D543/00Y1D L65D543/00Y1F2C

L65D543/00Y1M6 L65D543/00Y4 L65D543/00Y8D1N L65D543/00Y8D3

US: 220/717



Family:

Publication number	Publication date	Application number	Application date
US2008035653 AA	20080214	US20060500858	20060808

Priority:

US20060500858 20060808

Probable Assignee: MELI NANCY L

Assignee(s): (std): MELI NANCY L

Inventor(s): (std): MELI NANCY L

Agent(s): SUNG I OH PROFESSIONAL LAW CORP

16) Family number: 409706 (US3538543A)

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Title: SHELL MOULD FOR MANUFACTURING HOLLOW PLASTIC MOULDINGS

Abstract: 1,139,531. Moulding containers. P. NATAF. 17 March, 1966 [24 March, 1965; 5 June, 1965], No. 11833/66. Heading B5A. [Also in Division B8] A mould for forming a plastics container (1), Fig. 1 (not shown), (see Division B8), by diemoulding, welding and blowing the container forming material extruded in the form of a tube, comprises two shells 10a, and a mandrel 21, each shell including a recess 12a divided by a partition 17a, extending almost its entire length, into two communicating compartments 15a, 16a, the partition decreasing in width, from its base to its top edge, in which is formed a channel 18a which continues as channel 13a to the top edge 14a of the shell, the channels defining a suction pipe (2), (3) of the moulded container. The compartments 15a, 16a are each provided with a channel 19a, 20a to form vent pipes in the container. The mandrel 21 is positioned within the extruded tube, and the shells closed around the tube with channels 19a, 20a, 13a receiving rods 24, 25, and a compressed air entry tube 23, to form the container vent pipes and the external portion (2) of the container suction pipe. Again, Figs. 5-7 (not shown), the inverted mould is provided with two spring, or pneumatic, loaded members (37), (38) which engage the extruded tube (32) before the shells are completely closed, to cause a draping effect (39), and hence provide more material in that portion of the mould which forms the base of the container, to provide the base with thicker walls.

Classifications:

International (IPC 8-9): B29C33/00 B29C49/48 B65D1/02 B65D1/32

B65D23/00 G01F11/26 (Advanced/Invention);

B29C49/04 (Advanced/Non-invention);

B29C33/00 B29C49/48 B65D1/00 B65D1/02 B65D23/00

G01F11/10 (Core/Invention);

B29C49/04 (Core/Non-invention)

International (IPC 1-7): A23L1/04 B29C1/00 B29C17/00 B29C17/03

B29C17/07 B65D23/00 B65D81/32

CPC: B29C49/4802 B65D1/0223 B65D1/323 Y10S215/902 B65D23/00

B29C2049/4805 B29C49/04 B65D2501/0063 B65D1/0238 B29C33/00

G01F11/262 B65D1/326 B29C49/48

European: B29C33/00 B29C49/48 B29C49/48A B65D1/02D

B65D1/02D1A B65D1/32C B65D1/32D B65D23/00 G01F11/26B

L29C49/04 L29C49/48A2 L65D501/02Y5

US: 164/94 18/5 215/384 215/389 215/902 222/211 222/94 229/103.1

425/535 425/541

Nov. 10, 1970

P. NATAF

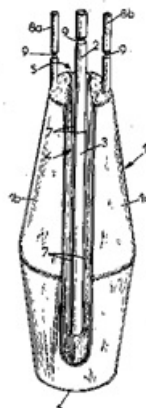
3,538,543

SMALL MOLD FOR MANUFACTURING BELLOW PLASTIC BODIES

Original Filed March 21, 1968

6 Sheets-Sheet 1

Fig. 1.



INVENTOR
PAUL NATAF
BY *Robert L. Randle*
ATTORNEYS

Family:

Publication number	Publication date	Application number	Application date
FR1453848 A	19660930	FR19650010512	19650324
FR88270 E	19670106	FR19650019755	19650605
FR93060 E	19690207	FR19660081255	19661022
FR95492 E	19710115	FR19680144147	19680318
GB1139531 A	19690108	GB19660011833	19660317
US3347401 A	19671017	US19660535875	19660321
US3538543 A	19701110	US19670648642	19670626

Priority:

FR19650010512 19650324
FR19680144147 19680318

FR19650019755 19650605

FR19660081255 19661022

Probable Assignee:

PAUL NATAF

Assignee(s): (std):

NATAF PAUL ; PAUL NATAF

Inventor(s): (std):

PAUL NATAF ; NATAF PAUL

17) Family number: 11493709 (US5295609A)

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Title: Container with integral straw

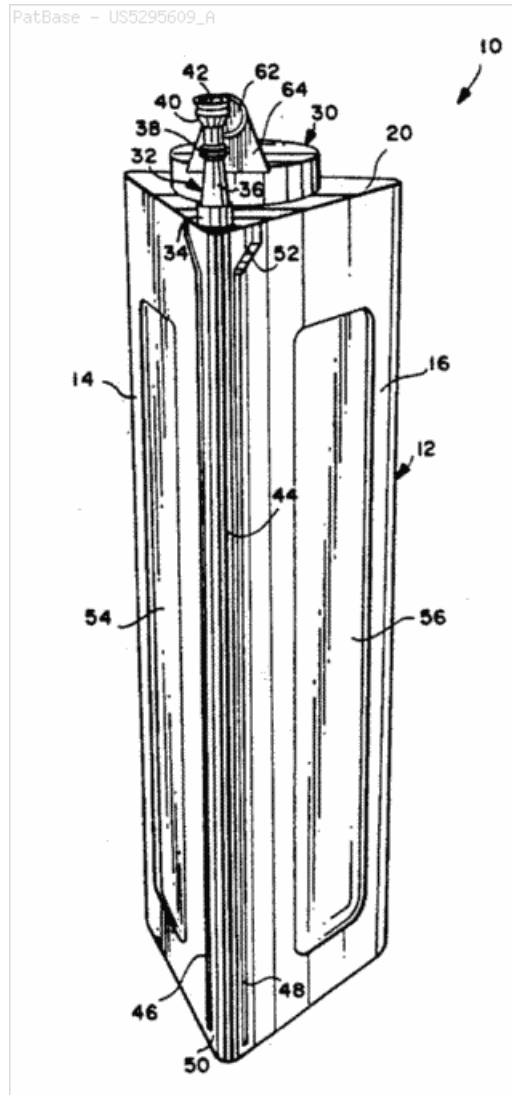
Abstract: A flexible plastic bottle or container includes a body portion having a peripheral side wall having a cross section with a regular polygon shape, a bottom wall and a top wall; a fill opening in the top wall; a closure removably securable over the fill opening; an integral straw portion formed in the body portion and extending above the top wall, the straw having a dispensing opening at an upper end thereof; and a straw cap attached to the closure for engaging and closing the dispensing opening of the integral straw portion.

Classifications:**International (IPC 8-9):** A47G19/22 B65D25/44

B65D77/28 (Advanced/Invention);

A47G19/22 B65D25/38 B65D77/24 (Core/Invention)

International (IPC 1-7): B65D47/00**CPC:** A47G19/2266 B65D25/44 B65D77/286**European:** A47G19/22B12 B65D25/44 B65D77/28D**US:** 210/710 215/1A 215/229 215/384 215/389 220/710 D9/561

**Family:**

Publication number	Publication date	Application number	Application date
US5295609 A	19940322	US19930051681	19930423

Priority:

US19930051681 19930423

Probable Assignee: ROBBINS EDWARD S III**Assignee(s):** (std): ROBBINS EDWARD S III**Assignee(s):** ROBBINS III EDWARD S ; SOUTHTRUST BANK OF ALABAMA NATIONAL ASSOCIATION**Inventor(s):** (std): ROBBINS III EDWARD S**18) Family number: 29273720 (US5201459A)**

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Title: BEVERAGE CONTAINER WITH NOVEL DISPENSING MEANS**Abstract:** A container for dispensing beverages through a straw, the container including an opening with one or more cuts radiating away therefrom. The opening is smaller than the straw to provide venting.**Classifications:****International (IPC 8-9):** B65D17/28 B65D17/30 B65D17/42 B65D5/70

B65D5/74 B65D65/26 B65D77/30 (Advanced/Invention);

B65D17/28 B65D5/74 (Advanced/Non-invention);

B65D17/28 B65D5/70 B65D5/74 B65D65/22 B65D77/22 (Core/Invention)

International (IPC 1-7): B65D1/20 B65D1/28 B65D17/00 B65D17/28

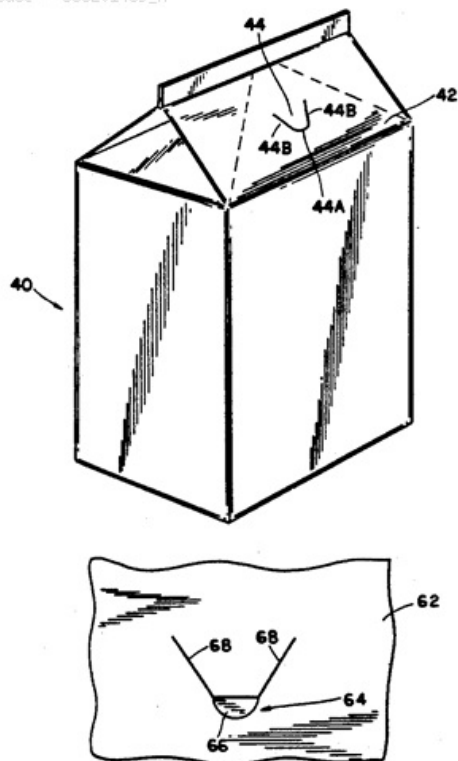
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B65D47/38 B65D5/54 B65D5/70 B65D5/72 B65D5/74 B65D50/08

B65D65/26 B65D65/28 B65D65/30 B65D71/06 B65D77/28 B65D77/30

B65D85/72 B65D85/80 B65G47/38 B65G5/74 B65G77/28

CPC: Y10S215/902 B65D5/70 B65D2231/02**European:** B65D5/70 L65D231/02**US:** 215/1A 215/388 215/902 220/705 229/103.1

**Family:**

Publication number	Publication date	Application number	Application date
AU199182574 A1	19920227	AU19910082574	19910820
BE1005410 AA	19930713	BE19910000614	19910626
BRPI9103552 A	19920407	BR1991PI03552	19910819
CA2049568 AA	19920222	CA19912049568	19910820
CN1022030 C	19930908	CN19911005709	19910817
CN1059129 A	19920304	CN19911005709	19910817
CS9102573 A3	19920318	CS19910002573	19910820
DE4125092 A1	19920326	DE19914125092	19910729
DK138791 A	19920222	DK19910001387	19910724
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FI913814 A	19920222	FI19910003814	19910812
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FR2666078 A1	19920228	FR19910008002	19910627
GB2247227 A1	19920226	GB19910013399	19910621
GB9113399 A0	19910807	GB19910013399	19910621
HU67235 A2	19950328	HU19910002182	19910628
HU9102182 A0	19911230	HU19910002182	19910628
IE912931 A1	19920226	IE19910002931	19910819
IL98561 A0	19920715	IL19910098561	19910619
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ITTO910625 A0	19910802	IT1991TO00625	19910802
ITTO910625 A1	19920221	IT1991TO00625	19910802
JP3050960 B2	20000612	JP19910225040	19910809
JP6048441 A2	19940222	JP19910225040	19910809
KR19920004244 A	19920327	KR19910013571	19910806
KR920004244 A	19920327	KR19910013571	19910806
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MX9100705 A1	19920401	MX19910000705	19910816
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US5201459 A	19930413	US19910794300	19911114
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ZA9104832 A	19920429	ZA19910004832	19910624

Priority:

US19900570211 19900821 CA19912049568 19910820 US19910794300 19911114

Probable Assignee: TROPICANA PROD INC

Assignee(s): (std): TOROPIKAANA PROD INC ; TROPICANA PROD INC ; TROPICANA PRODUCTS ; TROPICANA PRODUCTS INC ; TROPICUNA PRODUCTS INC ; TROPICANA PRODUCTS INC TE BRADENTON FLORIDA VER ST

Assignee(s): TROPICANA PRODUCTS INC US ; TROPICANA PRODUCTS INC TE BRADENTON FLORIDA VER ST V AM ; BETTLE GRISCOM JR ; JERUZAL PATRICIA ; TROPICANA PRODUCTS INC BRADENTON FLA US

Inventor(s): (std): BETTLE GRISCOM JR ; BETTLE GRISCOM III ; JERUZAL PATRICIA ; GRISCOM BETTLE JR ; GRISCOM BETTLE III ; PATRICIA JERUZAL ; BETTLE GRISCOM ; BETTLE JUN GRISCOM ; BETTLE III GRISCOM ; BETTLE JR GRISCOM ; GURISUKON BETORU JIYUNIA ; GURISUKON BETORU SAADO ; PATORISHIA JIERUZARU ; BETTLE GRISCON JR ; BETTLE JR G ; GRISCOM BETTLE ; G BETTLE JR ; GRISCON BETTLE JR ; JR ; BETTLE JR

Inventor(s): JERUZAL PATRICIA US ; BETTLE GRISCOM US ; BETTLE JUN ; JERUZAL PATRICIA BRADENTON FLA ; JERUZAL PATRICIA BRADENTON FLA US

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; KENT AND EDGAR; DR YITZHAK HESS AND PARTNERS; SUENARI MIKIO

19) Family number: 11025756 (US5782358A)

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Title: Container

Abstract: A cubic plastic container has a cylindrical neck formed centrally in its top defining a mouth for the container. The top of the neck is provided with a collar capable of receiving a snap fitting cap. The container also has circular recesses formed centrally in its bottom and two opposing sides. The recesses are sized to snugly, but releasably, receive the neck of another such container so that the two containers may be coupled by the engagement of the collar of one container with the sidewall of the recess of the other container.

Classifications:

International (IPC 8-9): B65D21/02 B65D23/12

B65D77/28 (Advanced/Invention);

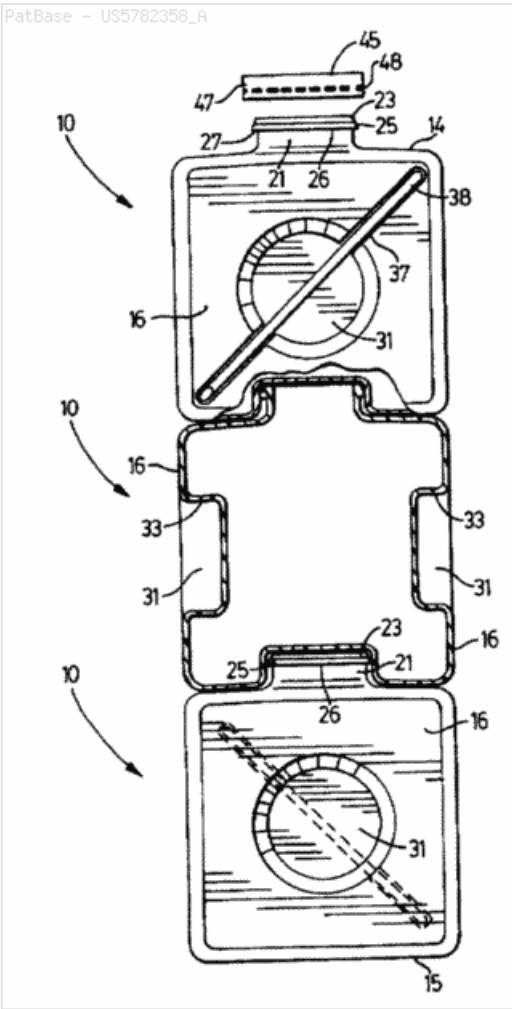
B65D21/02 B65D23/00 B65D77/24 (Core/Invention)

International (IPC 1-7): B65D77/00

CPC: B65D21/0231 B65D23/12 B65D77/28

European: B65D21/02E12B B65D23/12 B65D77/28

US: 206/509 220/23.4 220/234 220/710



Family:

Publication number	Publication date	Application number	Application date
US5782358 A	19980721	US19950413320	19950330

Priority:

US19950413320 19950330

Probable Assignee:

WALKER KENNETH C

Assignee(s): (std):

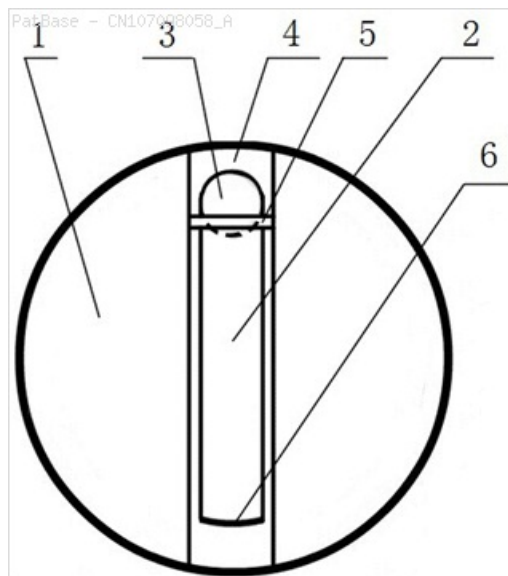
WALKER KENNETH C

20) Family number: 66755832 (CN107098058A)

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Title: STRAW BOTTLE CAP

Abstract: The invention provides a straw bottle cap. The straw bottle cap comprises a bottle cap, and is characterized by also comprising a bent straw 2. A hole 3 is formed in the upper surface of the bent straw 2; a groove 4 is formed in the upper surface of the bottle cap; the part, positioned on the bottle cap, of the bent straw is embedded in the groove 4; a part, positioned under the upper surface of the bottle cover, of the bent straw 2 is bent into a spiral shape; and the bottommost part of the bent straw towers above the bottommost of the side wall of the bottle cap. According to the straw bottle cap provided by the invention, the bottle cap can be directly unscrewed to drink water, and the straw also can be used for drinking water; moreover, the structure is simple and reasonable, and the cost is relatively low.

Classifications:**International (IPC 8-9):** B65D51/24 B65D77/28 (Advanced/Invention)**CPC:** B65D51/24 B65D77/28**Family:**

Publication number	Publication date	Application number	Application date
■ CN107098058 A	20170829	CN201710399659	20170531

Priority:

CN201710399659 20170531

Probable Assignee: JURONG YOURAN PACKAGE PRODUCT CO LTD**Assignee(s):** (std): JURONG YOURAN PACKAGE PRODUCT CO LTD**Assignee(s):** JURONG LEISURELY PACKAGING PRODUCTS CO LTD ; JURONG YOURAN PACKAGE PRODUCT CO**Inventor(s):** (std): ZHOU XICHUN ; WANG DINGLANG ; WANG MINGHU ; WANG DABAO**21) Family number: 71413951** (WO18178832A1)

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Title: RECEPTACLE FOR DRINKS AND FOODS

Abstract: The invention relates to a receptacle for the storage and/or treatment of foods and drinks, characterised by comprising an external container (1) and a channel (3) located inside the external container (1) on the walls thereof. Said channel (3) has an inlet opening (4) and an outlet opening (5). The receptacle according to the invention permits the production, heating, cooling, hydration, re-hydration, gasification, foaming, dilution, cooking, etc. of foods and drinks.

Classifications:**International (IPC 8-9):** A47G19/22 A47J31/50

B65D81/00 (Advanced/Invention)

CPC: A47G19/22 A47J31/50 B65D81/00

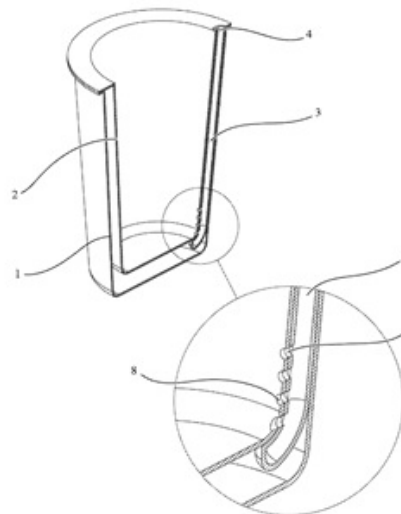


FIG. 3

Family:

Publication number	Publication date	Application number	Application date
CO20170003222 A1	20181010	CO20170003222	20170331
WO18178832 A1	20181004	WO20181B52010	20180324

Priority:

CO20170003222 20170331

Probable Assignee: GONZALEZ CAMACHO JUAN CARLOS**Assignee(s):** (std): GONZALEZ CAMACHO JUAN CARLOS**Inventor(s):** (std): GONZALEZ CAMACHO JUAN CARLOS**Agent(s):** OLARTE CARLOS R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW