

Search history

Search 1: container and seal and top and resilient and panel and bellows (Results 521)
Search 2: CPC=(b65d) (Results 436519)
Search 3: 1 and 2 (Results 68)

1) Family number: 23694014 (US2003116574A)

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Title: BEVERAGE CONTAINER WITH SELF-CONTAINED STRAW

Abstract: A tab top beverage can has a compressible drinking straw held between the can bottom and an upwardly extending detachable closed cavity formed in the can top. Detachment of the cavity by a pivoting tab top uncovers a straw access orifice through which the straw is projected by the force of a previously compressed corrugated spring section formed in the straw wall. A bulge located on the straw prevents passage of the straw from the can and facilitates extension of the straw. The tab is attached to the can top by outwardly projecting lips formed on upwardly projecting closed cavities defined in the can top. The cavities extend through openings in the tab and the lips extend beyond the opening perimeters to secure the tab to the cavities and top.

Classifications:

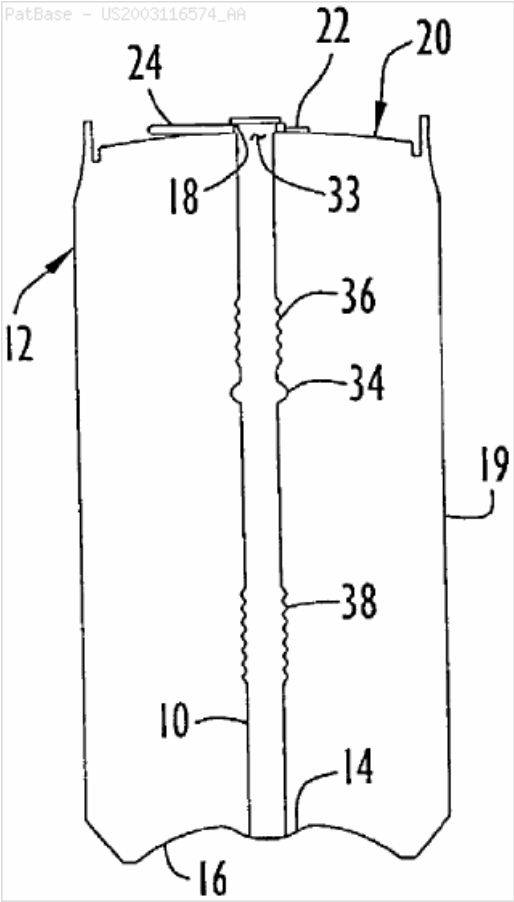
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International (IPC 1-7): A47G1/922 A47G19/22

CPC: Y10S220/906 B65D2517/0014 B65D2517/0049 B65D2517/0061 B65D17/4012

European: B65D17/16B2 B65D77/28C L65D517/00Y2C L65D517/00Y6A L65D517/00Y7A1

US: 220/705 220/707 220/710 220/906



Family:

Publication number	Publication date	Application number	Application date
US2003116574 AA	20030626	US20020230367	20020829
US6443324 BA	20020903	US20000614516	20000712

Priority:

US20000614516 20000712 US20020230367 20020829

Probable Assignee:

BUNTAIN VAUGHN KENT

Assignee(s): (std):

BUNTAIN VAUGHN ; BUNTAIN VAUGHN KENT

Inventor(s): (std):

BUNTAIN VAUGHN KENT ; BUNTAIN VAUGHN

Inventor(s):

VAUGHN KENT BUNTAIN

Agent(s):

IRA C EDELL

Title: Kicker latch for container closures

Abstract: A kicker latch for container closures includes a latch wall integrally hinged to the cap and having a latch tab extending from an end of the latch wall toward the cap and kicker lever extending in generally the same direction and spaced from the latch tab. In general, pivoting the kicker latch outwardly causes the kicker lever to urge a closure member of the cap away from its closed position to facilitate grasping the closure member to pivot it to its fully open position. On a folding spout type of cap, wherein the folding spout functions as a closure member, the latch wall may include a plug positioned between the latch tab and the kicker lever to seal the end of the spout. In general, the kicker latch has utility with a variety of types of container closures, including caps with nonfolding spouts, open top types of caps for pills and granulates, and containers for which the closure member is a lid which is completely separable from the container.

Classifications:

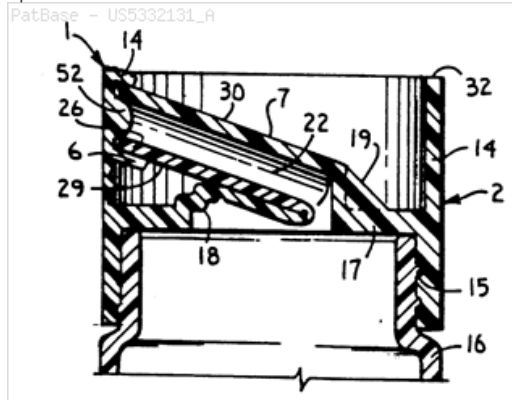
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B65D47/20 (Advanced/Invention)

International (IPC 1-7): B65D43/18 B67D5/00

CPC: B65D47/066 B65D47/0838 B65D47/2006 B65D2251/1016

European: B65D47/06B1 B65D47/08B4C B65D47/20C
L65D251/10D

US: 215/237 220/326 222/505 222/528 222/532 222/536 222/556



Family:

Publication number	Publication date	Application number	Application date
CA2128689 AA	19940722	CA19932128689	19930929
US5332131 A	19940726	US19920951877	19920928
WO9509125 A1	19950406	WO1993US09237	19930929

Priority:

US19920951877 19920928 CA19932128689 19930929 WO1993US09237 19930929

Probable Assignee: PEHR HAROLD T

Assignee(s): (std): PEHR HAROLD T

Inventor(s): (std): PEHR HAROLD T

Agent(s): SMART AND BIGGAR

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

Title: INTEGRATED CLEANING IMPLEMENTS AND DISPENSATION DEVICES

Abstract: A cleaning system includes an elongate pole, a mounting structure, a cradle, and a spray bottle. The elongate pole has a proximal end for manipulation by a user and a distal end opposite the proximal end. The mounting structure is attached to the distal end of the pole for connecting a mopping implement to the distal end of the pole. The cradle is attached to the pole between the proximal end and the distal end. The spray bottle includes a spray head, an operable trigger, and a container housing defining an internal reservoir space. The container housing is removably received by the cradle. A flat mop can be connected to the mounting structure.

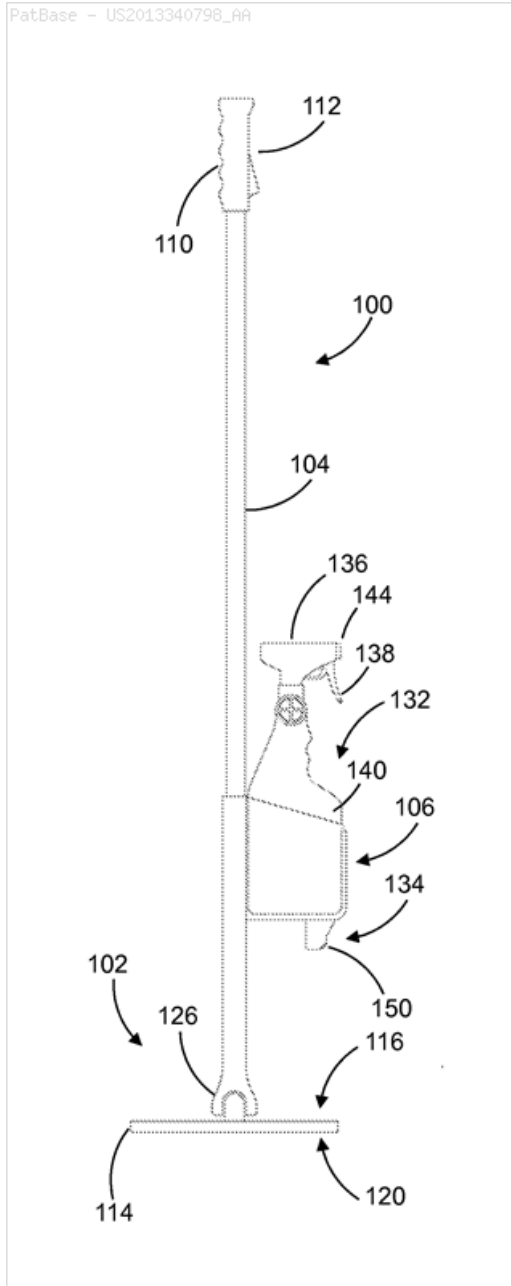
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B65D1/06 B65D1/40 B65D81/22 B65D90/02 B67D7/02
B67D7/58 (Advanced/Invention);

B05B15/00 (Advanced/Non-invention)

CPC: B05B11/0037 B05B11/0056 B05B11/3057 B65D1/06 A47L13/22
B05B15/62 B05B15/30 B05B15/65 B05B1/34 B05B11/0097

US: 1/1 134/198 141/18 206/205 220/666 222/153.13 222/382
222/383.1



Family:

Publication number	Publication date	Application number	Application date
US2013340798 AA	20131226	US20130925223	20130624
US2013340886 AA	20131226	US20130925287	20130624
US2013341212 AA	20131226	US20130925317	20130624
US2013341357 AA	20131226	US20130925260	20130624
US9038819 BB	20150526	US20130925317	20130624
US9216431 BB	20151222	US20130925287	20130624
US9266133 BB	20160223	US20130925260	20130624

Priority:

US20120663051P 20120622 US20130925223 20130624 US20130925287 20130624
 US20130925317 20130624 US20130925260 20130624

Probable Assignee: L AND F INNOVENTIONS

Assignee(s): (std): L AND F INNOVENTIONS LLC

Assignee(s): L AND F INNOVENTIONS

Inventor(s): (std): PERELLI THOMAS ; FORREST PAUL BRADLEY ; FYKE TYLER W ; MCNELIS BRYAN

Agent(s): NKK PATENT LAW PLLC; NK PATENT LAW PLLC

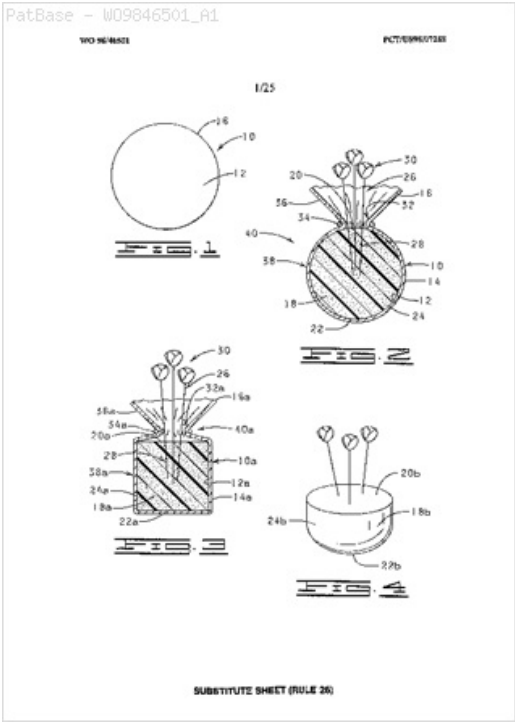
4) Family number: 31765067 (WO9846501A1)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly (60) for a floral grouping comprising a floral holding material (98) and a sheet of material (62). The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion (82) is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:
International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)
International (IPC 1-7): A47G7/06 B65D85/50
CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505
European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B



Family:

Publication number	Publication date	Application number	Application date
 AU199871098 A1	19981111	AU19980071098	19980410
 CA2286206 AA	19991008	CA19982286206	19980410
 CA2286206 C	20060815	CA19982286206	19980410
 WO9846501 A1	19981022	WO1998US07288	19980410

Priority:

US19970827852 19970411 WO1998US07288 19980410

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; SOUTHPAC TRUST INTERNATIONAL INC ; SOUTHPAC TRUST INTERNATIONAL INC NOT INDIVIDUALLY ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMM MICHAEL R ; SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INT INC HE FAMILY TRUST ; SOUTHPAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTE ; SOUTHPAC TRUST INTERNATIONAL INC NOT INDIVIDUALLY BUT AS TRUSTEE OF T HE FAMILY TRUST U T A ; SOUTHPAC TRUST INTERNATIONAL INC NOT INDIVIDUALLY BUT AS TRUSTEE OF T HE

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMM MICHAEL R ; DONALD E WEDER ; WILLIAM F STRAETER ; MICHAEL R KLEMM ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG

Agent(s): MARKS AND CLERK

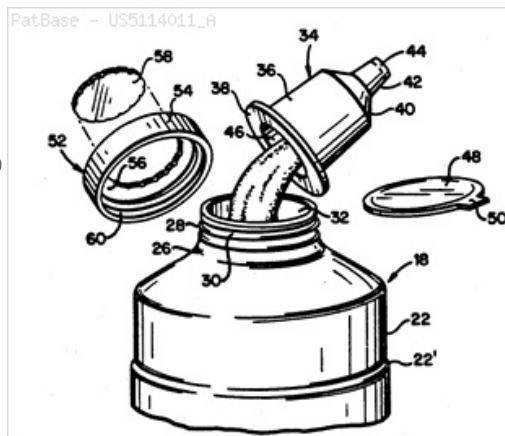
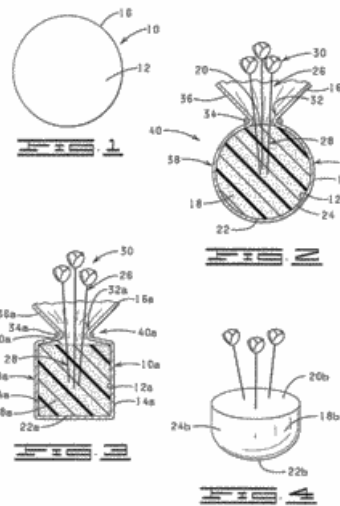
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5) Family number: 31765106 (US2002046490A) © PatBase

Title: Decorative assembly for a floral grouping

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:
International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)
International (IPC 1-7): A01G9/02
CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505
European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B
US: 47/72 47/72P



CA2090729 AA	19930223	CA19912090729	19910830
EP0544834 A1	19930609	EP19910919222	19910830
EP0544834 A4	19950531	EP19910919222	19910830
MX9100910 A1	19920605	MX19910000910	19910902
US5114011 A	19920519	US19900598385	19901018
US5206037 A	19930427	US19920828473	19920130
US5224613 A	19930706	US19900576080	19900831
US5292242 A	19940308	US19930011624	19930201
US5384138 A	19950124	US19910719711	19910626
WO9204236 A1	19920319	WO1991US06222	19910830

Priority:

US19900576080 19900831 US19900598385 19901018 US19910706853 19910529
CA19912043958 19910605 US19910719711 19910626 WO1991US06222 19910830
US19920828473 19920130 US19930011624 19930201

Probable Assignee: UNION PLANTERS BANK NATIONAL ASSOCIATION

Assignee(s): (std): ROBBINS EDWARD S III ; ROBBINS EDWARD S ; EDWARD S ROBBINS III ; EDWARDS S ROBINS III

Assignee(s): FIRST UNION COMMERCIAL CORP ; BELL TED ; SOUTHTRUST BANK OF ALABAMA NATIONAL ASSOCIATION ; UNION PLANTERS BANK NATIONAL ASSOCIATION ; UNION PLANTER BANK NATIONAL ASSOCIATION ; ROBBINS III EDWARD S

Inventor(s): (std): ROBBINS EDWARD S III ; BELL TED ; ROBBINS III EDWARD S

Inventor(s): ROBBINS EDWARD S ; EDWARD S ROBBINS III ; TED BELL

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MALCOLM JOHNSTON AND ASSOCIATES; MCCARTHY TETRAULT LLP

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

7) Family number: 31765110 (US2003115797A)

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Title: Flexible vase

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is a shape-sustaining support member having an open upper end, an open lower end and a peripheral sidewall defining an internal chamber extending between the open upper end and the close lower end. The sheet of material is extended about a portion of the floral holding material to form a decorative cover and the decorative cover cooperates with the shape-sustaining support member to define a reservoir for confining a liquid a securing element secures the decorative cover about the shape-sustaining support member and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

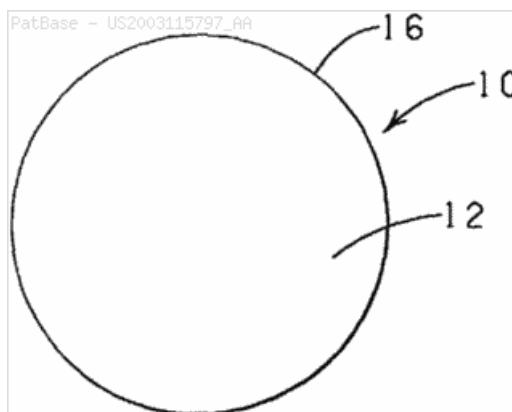
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CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003115797 AA	20030626	US20030353878	20030128
US6711852 BB	20040330	US20030353878	20030128

Priority:

US19920941992 19920908 US19950427014 19950424 US19950468178 19950606
US19970827852 19970411 US19990333333 19990615 US20000576789 20000523
US20010918320 20010730 US20020170611 20020612 US20030353878 20030128

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; STRAETER JOSEPH G ; WEDER DONALD E ; STRAETER WILLIAM F ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

8) Family number: 31765116 (US2003192250A)

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Title: Flexible vase

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is a shape-sustaining support member having an open upper end, an open lower end and a peripheral sidewall defining an internal chamber extending between the open upper end and the close lower end. The sheet of material is extended about a portion of the floral holding material to form a decorative cover and the decorative cover cooperates

with the shape-sustaining support member to define a reservoir for confining a liquid a securing element secures the decorative cover about the shape-sustaining support member and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

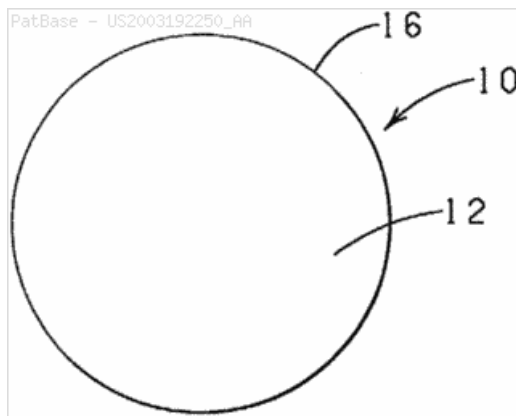
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
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US6691459 BB	20040217	US20030449384	20030530

Priority:

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Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

9) Family number: 31765123 (US2003196380A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping wherein the decorative assembly includes a floral holding material and a sheet of fluid impermeable material. The floral holding material is a preformed shape-sustaining support member movable between a flattened condition and an expanded condition. A stabilizing member or assembly is connected to the preformed shape-sustaining support member for stabilizing and maintaining the preformed shape-sustaining member in the expanded condition.

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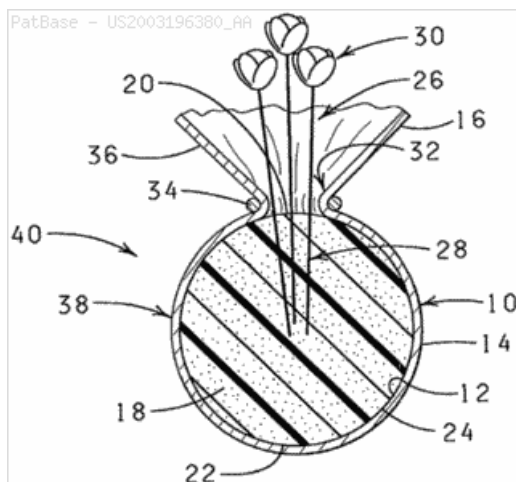
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003196380 AA	20031023	US20030449319	20030530
US6672006 BB	20040106	US20030449319	20030530

Priority:

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Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; STRAETER JOSEPH G ; WEDER DONALD E ; STRAETER WILLIAM F ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

10) Family number: 31765124 (US2003192249A)

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Title: DECORATIVE ASSEMBLY FOR SUPPORTING A FLORAL GROUPING

Abstract: A decorative assembly for supporting a floral grouping which includes a floral holding material and a sheet of fluid impermeable material. The floral holding material is a preformed shape-sustaining support member, which is selectively movable between an expanded condition and a flattened condition, is provided with a stabilizing assembly for stabilizing the preformed shape-sustaining support member in the expanded condition.

Classifications:

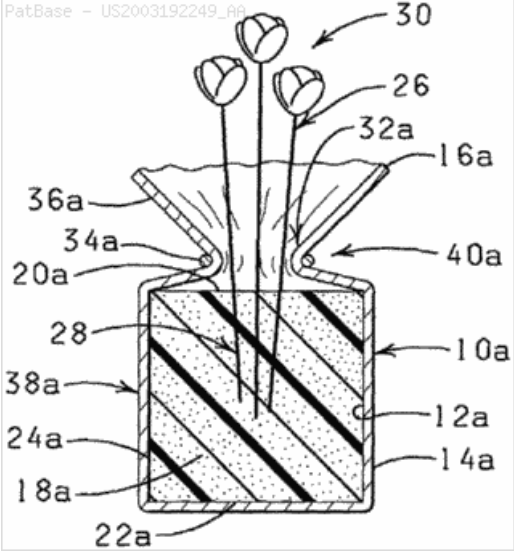
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003192249 AA	20031016	US20030447601	20030529
US6672005 BB	20040106	US20030447601	20030529

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
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US20000670644 20000927	US20010912217 20010724	US20010918320 20010730
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Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; STRAETER JOSEPH G ; WEDER DONALD E ; STRAETER WILLIAM F ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

11) Family number: 31765132 (US2002152679A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

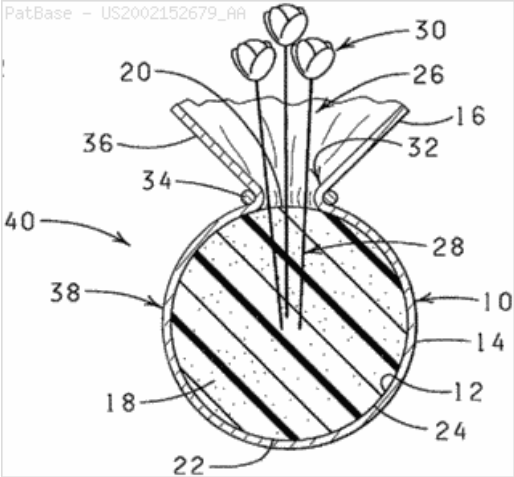
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US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2002152679 AA	20021024	US20020167920	20020611
US6655085 BB	20031202	US20020167920	20020611

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
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Probable Assignee: SOUTHPAC TRUST INT INC**Assignee(s):** (std): SOUTHPAC TRUST INT INC ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; WEDER DONALD E**Assignee(s):** SOUTHPAC TRUST INTERNATIONAL INC ; MONEY SUITE CO ; KLEMME MICHAEL R ; CRAIG FRANKLIN J ; KING MICHAEL J**Inventor(s):** (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R**Inventor(s):** DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG ; MICHAEL R KLEMME**12) Family number: 31765149 (US2002148160A)**

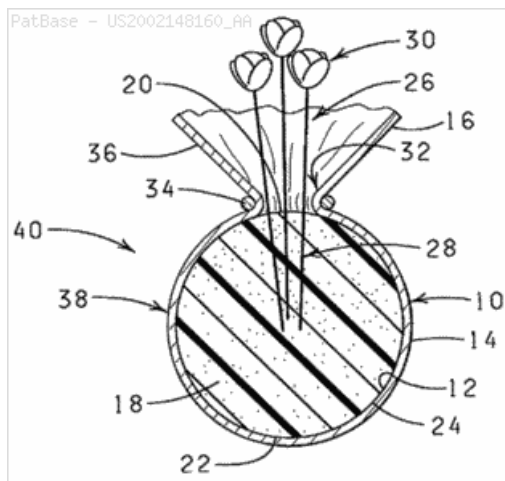
© PatBase

Title: FLEXIBLE VASE

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:**International (IPC 8-9):** A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)**International (IPC 1-7):** A01G9/02**CPC:** A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505**European:** A01G5/04 A47G7/06F A47G7/08S B65B25/02B

B65D65/14 B65D85/50B

US: 47/72 47/72P**Family:**

Publication number	Publication date	Application number	Application date
US2002148160 AA	20021017	US20020170611	20020612
US6601343 BB	20030805	US20020170611	20020612

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
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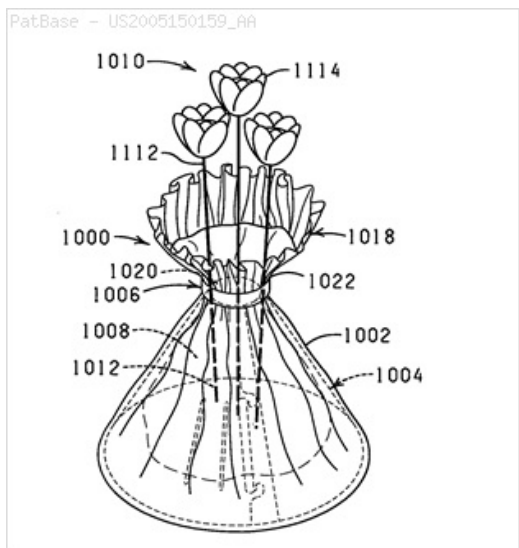
Probable Assignee: SOUTHPAC TRUST INT INC**Assignee(s):** (std): SOUTHPAC TRUST INT INC ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E**Assignee(s):** SOUTHPAC TRUST INTERNATIONAL INC ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R**Inventor(s):** (std): KING MICHAEL J ; KLEMME MICHAEL R ; WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; CRAIG FRANKLIN J**Inventor(s):** DONALD E WEDER ; WILLIAM F STRAETER ; MICHAEL J KING ; MICHAEL R KLEMME ; JOSEPH G STRAETER ; FRANKLIN J CRAIG**13) Family number: 32135150 (US2005150159A)**

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping wherein the decorative assembly includes a floral holding material and a sheet of fluid impermeable material. The floral holding material is a preformed shape-sustaining support member movable between a flattened condition and an expanded condition. A stabilizing member or assembly is connected to the preformed shape-sustaining support member for stabilizing and maintaining the preformed shape-sustaining member in the expanded condition.

Classifications:**International (IPC 8-9):** A01G5/04 A01G9/02 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)**International (IPC 1-7):** A47G7/02**CPC:** A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505**European:** A01G5/04 A47G7/06F A47G7/08S B31B43/00



Family:

Publication number	Publication date	Application number	Application date
US2005150159 AA	20050714	US20050075016	20050308
US7073290 BB	20060711	US20050075016	20050308

Priority:

US19920079419 19920908	US19920941992 19920908	US19950427014 19950424
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US20000576789 20000523	US20000670644 20000927	US20010912217 20010724
US20010918320 20010730	US20020170611 20020612	US20030353878 20030128
US20030449319 20030530	US20030674182 20030929	US20050075016 20050308

Probable Assignee: WANDA M WEDER AND WILLIAM F ST

Assignee(s): (std): STRAETER JOSEPH G ; STRAETER WILLIAM F ; STRAETER WILLIAM R ; WANDA M WEDER AND WILLIAM F ST

Assignee(s): WEDER DONALD E ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; WANDA M WEDER AND WILLIAM F STRAETER

Inventor(s): (std): STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R ; STRAETER WILLIAM F ; WEDER DONALD E

Inventor(s): CRAIG FRANKLIN ; STRAETER JOSEPH ; WEDER DONALD ; STRAETER WILLIAM ; KING MICHAEL ; KLEMME MICHAEL

Agent(s): DUNLAP CODDING AND ROGERS PC

14) Family number: 31765160 (US2002174601A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

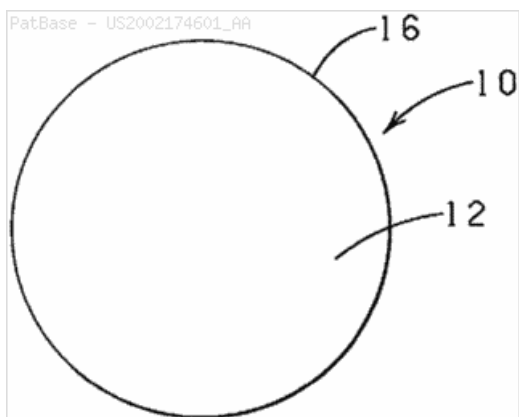
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B65D85/50 (Advanced/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 B65D85/505

European: A01G5/04 A47G7/06F B65D85/50B

US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2002174601 AA	20021128	US20020185027	20020626
US6588148 BB	20030708	US20020185027	20020626

Priority:

US19950468178 19950606	US19970827852 19970411	US19990333333 19990615
US20000576789 20000523	US20000670644 20000927	US20010912217 20010724
US20020185027 20020626		

Probable Assignee: SOUTH PAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTEE OF FAMILY TRUST U T A DATED

DECEMBER 8 1995 AUTHORIZED SIGNATORY CHARLES A CODDING AS

Assignee(s): (std): SOUTHPAC TRUST INT INC ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; WEDER DONALD E
Assignee(s): SOUTHPAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTE ; SOUTHPAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTEE OF FAMILY TRUST U T A DATED DECEMBER 8 1995 AUTHORIZED SIGNATORY CHARLES A CODDING AS ; SOUTHPAC TRUST INTIONAL ; SOUTHPAC TRUST INTERNATIONAL INC ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; SOUTHPAC TRUST INT
Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R
Inventor(s): DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG ; MICHAEL R KLEMME

15) Family number: 31765173 (US2003005629A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

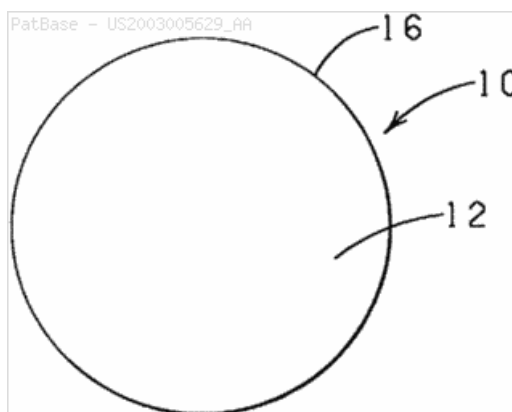
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003005629 AA	20030109	US20020229618	20020827
US6543184 BB	20030408	US20020229618	20020827

Priority:

US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20000670644 20000927	US20010912217 20010724	US20010011226 20011115
US20020229618 20020827		

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

Inventor(s): DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG ; MICHAEL R KLEMME

16) Family number: 56437180 (US2014131354A)

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Title: CONTAINER FOR STORING FOODS

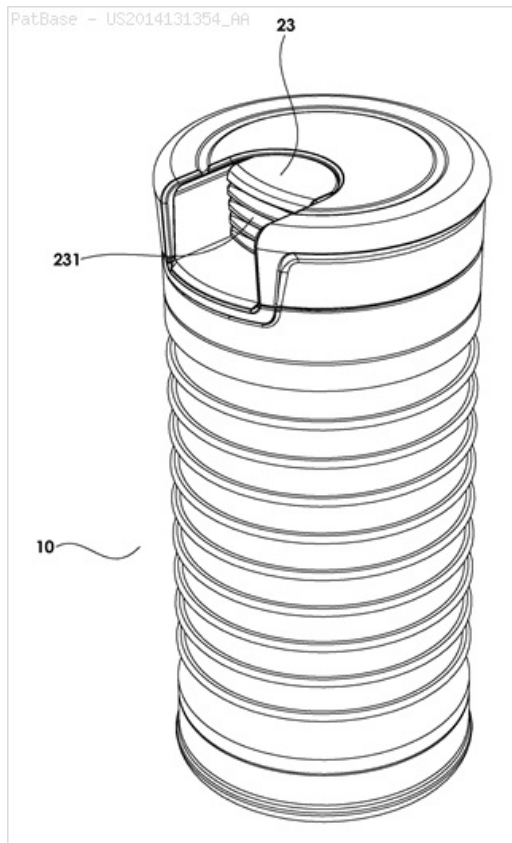
Abstract: A container for storing food is provided with a receptacle including a bellows, a top opening, and external threads around the opening; and a lid including a skirt including internal threads secured to the external threads, a top bossed hole communicating with the bellows, and a top frame having an n-shaped section, the frame including an inner slot; an inlet valve in the bossed hole; a trigger assembly including a spring loaded piston in the frame, and a trigger formed with the piston; a sealing ring secured to an end of the piston distal the trigger; a cylinder for receipt of the sealing ring and a portion of the piston, an inlet port fitted on the bossed hole, and an outlet valve at an end distal the sealing ring; and a cover including a peripheral opening for receipt of the trigger.

Classifications:

International (IPC 8-9): B65D1/40 B65D81/20 B65D85/72 (Advanced/Invention)

CPC: B65D81/2038 B65D1/40 B65D85/72

US: 1/1 220/203.07

**Family:**

Publication number	Publication date	Application number	Application date
US2014131354 AA	20140515	US20140160588	20140122
US9067723 BB	20150630	US20140160588	20140122

Priority:

US20140160588 20140122

Probable Assignee: CHANG WAN CHING**Assignee(s):** (std): CHANG WAN CHING ; CHEN HAN TSUNG ; CHEN WEI FU**Inventor(s):** (std): CHEN WEI FU ; CHEN HAN TSUNG ; CHANG WAN CHING**17) Family number: 31765185 (US2002078626A)**

© PatBase

Title: FLEXIBLE VASE

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

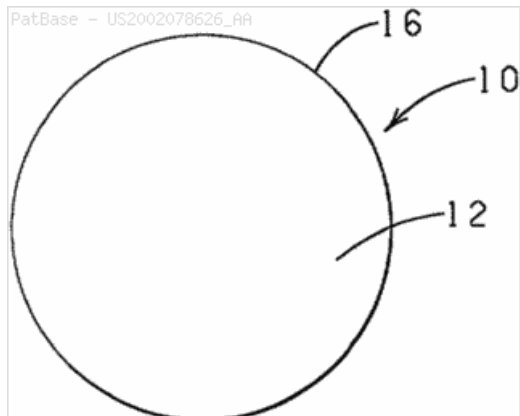
International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B

B65D65/14 B65D85/50B

US: 47/72 47/72P

**Family:**

Publication number	Publication date	Application number	Application date
US2002078626 AA	20020627	US20020079282	20020219
US6516564 BB	20030211	US20020079282	20020219

Priority:

US19950468178 19950606

US19970827852 19970411

US19990333333 19990615

US20000576789 20000523

US20010918320 20010730

US20020079282 20020219

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

Inventor(s): DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG ; MICHAEL R KLEMME

18) Family number: 31765218 (US2001045059A)

© PatBase

Title: FLEXIBLE VASE

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

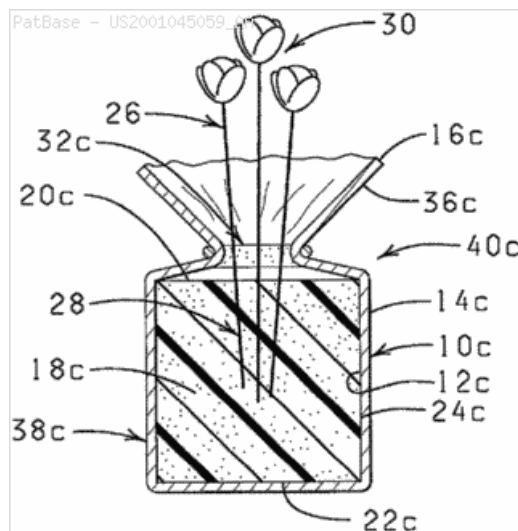
International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2001045059 AA	20011129	US20010918320	20010730
US6453612 BB	20020924	US20010918320	20010730

Priority:

US19970827852 19970411 US19990333333 19990615 US20000576789 20000523
US20010918320 20010730

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

Inventor(s): DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING ; FRANKLIN J CRAIG ; MICHAEL R KLEMME

19) Family number: 32694219 (US2004060319A)

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Title: AIRFLOW MANAGEMENT IN COLD STORAGE APPLIANCES

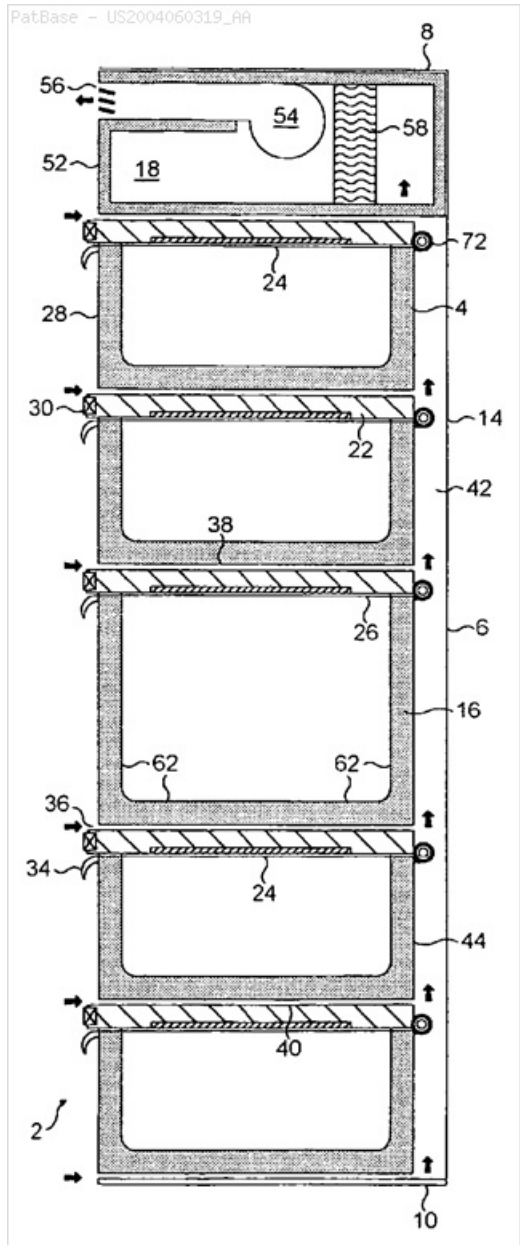
Abstract: A cold-storage appliance (2) includes an open-topped insulating container (16) defining an external surface; an insulating lid (22) adapted to close the open top of the container (16); a cooling means (24) adapted to cool the interior of the container (16); and a structure supporting the container (16), the lid and the cooling means; wherein the container (16) is mounted to the structure (4) for movement relative to the structure (6) and the lid (22) to open the container (16) and afford access to its interior or to close the container (16). A cold-storage appliance with air transfer valves (352, 356) that mitigate the piston effect experienced when opening and closing a drawer (4). Bellows (374) attached to the drawer (4) to maintain the vapour barrier.

Classifications:

International (IPC 8-9): A47B81/00 A47B88/04 A47B88/10 A47B88/14 A47B88/493 A61B19/02 A61C19/02 B01L9/02 B65D B65D88/00 B65D88/12 B65G B65G69/00 F25D F25D11/00 F25D11/02 F25D15/00 F25D17/04 F25D17/06 F25D21/04 F25D23/00 F25D23/02 F25D23/08 F25D23/10 F25D25/00 F25D25/02 (Advanced/Invention); F25D11/00 F25D15/00 F25D17/04 F25D23/08 F25D25/00 F25D25/02 (Advanced/Non-invention); A47B88/04 B65D88/00 B65G69/00 F25D11/00 F25D11/02 F25D15/00 F25D17/04 F25D17/06 F25D21/00 F25D23/00 F25D23/02 F25D23/08 F25D23/10 F25D25/00 F25D25/02 (Core/Invention); F25D25/02 (Core/Non-invention); B65D B65G F25D (Subclass/Invention)

International (IPC 1-7): A45C11/20 A47B81/00 A47B88/04 A47B88/10 A47B88/14 A47B96/04 A47F3/04 A61B19/02 A61C19/02

B01L9/02 B60J7/02 B60P1/54 B60P3/20 B65D21/02 B65D43/00
B65D81/38 B65D88/12 B65G69/00 E04H5/10 F24F7/00 F25B1/10
F25B21/02 F25B27/00 F25B49/02 F25D11/00 F25D11/02 F25D13/02
F25D15/00 F25D17/00 F25D17/04 F25D17/06 F25D17/08 F25D19/00
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R25D400/08 R25D400/16 R25D400/30 R25D700/02 Y02B40/34
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312/402 312/402S 62/238.6 62/238.600S 62/302 62/302S 62/331
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62/441S 62/442 62/457.1



Family:

Publication number	Publication date	Application number	Application date
AT274175 E	20040915	AT20000958900T	20000913
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HK1058541 B	20090911	HK20040101299	20040224
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HK1058543 B	20091106	HK20040101301	20040224
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JP2004521307 T2	20040715	JP20020572326T	20020313
JP2004521308 T2	20040715	JP20020572327T	20020313
JP3857918 B2	20061213	JP20010523580T	20000913
JP4041739 B2	20080130	JP20020572325T	20020313
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KR100855402 B1	20080829	KR20037011946	20020313

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KR20030081521 A	20031017	KR20037011945	20020313
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RU2003128024 A	20050327	RU20030128024	20020313
RU2003128314 A	20050327	RU20030128314	20020313
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RU2276759 C2	20060520	RU20030128314	20020313
RU2290576 C2	20061227	RU20030128315	20020313
RU2290577 C2	20061227	RU20030128024	20020313
SI1216389 T1	20050228	SI20000030503T	20000913
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US2004206108 AA	20041021	US20040844751	20040513
US2004211212 AA	20041028	US20040845441	20040513
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US6901767 BB	20050607	US20020471856	20020313
US6915657 BA	20050712	US20000070896	20000913
US6925833 BB	20050809	US20040844751	20040513
US6941766 BB	20050913	US20040845441	20040513
US7159415 BB	20070109	US20020473684	20020313
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WO02073104 A1	20020919	WO2002GB01158	20020313
WO02073105 A1	20020919	WO2002GB01155	20020313
WO02073107 A1	20020919	WO2002GB01139	20020313
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WO03049577 A3	20031231	WO2002GB05654	20021213
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ZA200307078 A	20041026	ZA20030007078	20030910
ZA200307079 A	20041026	ZA20030007079	20030910

Priority:

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WO2000GB03521	20000913	GB20010006164	20010313	DE20010018281	20010726
GB20010018281	20010726	WO2001GB04117	20010913	DE20010029853	20011213
GB20010029853	20011213	EP20020706926	20020313	WO2000GB03521	20020313
WO2002GB01155	20020313	WO2002GB01139	20020313	WO2002GB01158	20020313
WO2002GB05654	20021213	WO2002GB01139	20030909	WO2002GB01155	20030909
US20030471943	20030915	US20040845441	20040513	US20040844751	20040513

Probable Assignee: APPLIED DESIGN AND ENGINEERING LTD

Assignee(s): (std): APPLIED DESIGN AND ENG LTD ; APPLIED DESIGN AND ENGINEERING L ; WOOD IAN DAVID ; APPLIED ENGINEERING DESIGN LTD ; WOOD IAN D ; EHPPLAJD DIZAJN EHND INZHINIRI ; APPLIED DESIGN AND ENGINEERING LTD

Assignee(s): APPLIED DESIGN AND ENGINEERING LTD SUFFOLK ; IAN DAVID WOOD ; M S APPLIED DESIGN AND ENGINEERING LTD ; EHPPLAJD DIZAJN EHND INZHINIRING LTD ; EHPPLAJD DIZAJN EHND INZHINIRING LIMITED ; APPLIED DESIGN AND ENGINEERING LIMITED ; APPLIED DESIGN AND ENGINEERING

Inventor(s): (std): WOOD IAN DAVID ; DAVID WOOD IAN ; WOOD I D ; WOOD IAN ; VUD JEN DEHVID

Inventor(s): IAN DAVID WOOD ; ID WOOD ; I D WOOD

Agent(s): GRIFFITH HACK; CHRYSILIOU IP; GOWLING LAFLEUR HENDERSON LLP; CUMMINGS SEAN PATRICK; CUMMINGS SEAN PATRICK ET AL; ZUAZO ALEXANDER; LUNG TIN INT PATENT AND TRADEMARK AGENT LTD; JMB DAVIS BEN DAVID; SOROKER AGMON; STEVENS AND SHOWALTER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

20) Family number: 1508220 (DE2132331A1)

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Title: PLASTIC BELLOWS STOPPER - FOR CONTAINERS WITH BELLOWS BLOW MOULDED DIRECTLY ONTO THE PREFABRICATED STOPPER PART

Abstract: The stopper parts are intermittently supplied along an axial extension of the extruder nozzle and the bellows blank, which comprises a section of tubing, is pressed against the inside of the stopper part and adhered to it then the divisible blow mould sealed around the stopper in the usual way and the blank blown into a bellows.

Classifications:

International (IPC 8-9): B29C49/04 B29C49/20

B65D51/26 (Advanced/Invention);

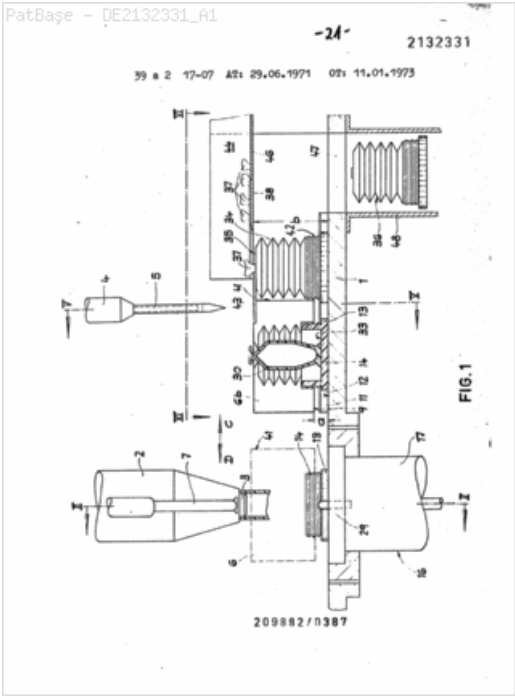
B29C49/04 B29C49/20 B65D51/24 (Core/Invention)

International (IPC 1-7): B29C17/07 B65D51/26

CPC: B29C49/04 B29C49/20 B29C2049/2017 B29C2049/2043

B29L2031/703 B29L2031/7158 B65D51/26

European: B29C49/04 B29C49/20 B65D51/26 L29C49/04



Family:

Publication number	Publication date	Application number	Application date
DE2132331 A1	19730111	DE19712132331	19710629

Priority:

DE19712132331 19710629

Probable Assignee:

GEIGER PLASTIC KG

Assignee(s): (std):

GEIGER PLASTIC KG

Inventor(s): (std):

SCHMID FRITZ

21) Family number: 31765223 (US2001047619A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

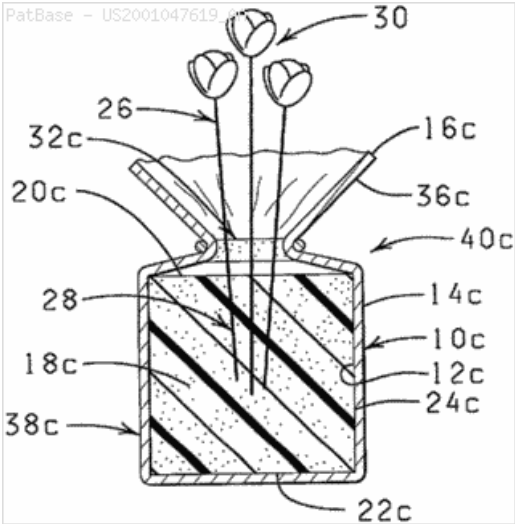
International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2001047619 AA	20011206	US20010912217	20010724
US6427380 BB	20020806	US20010912217	20010724

Priority:

US19970827852 19970411

US19990333333 19990615

US20000576789 20000523

US20000670644 20000927

US20010912217 20010724

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E ; SOUTHPAC TRUST INT INC

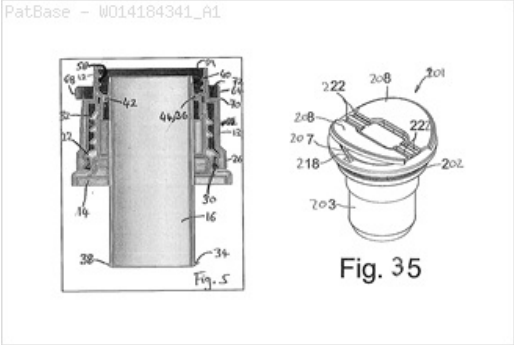
Assignee(s): SOUTH PAC TRUST INTERNATIONAL INC ; KING MICHAEL J
Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J
Inventor(s): DONALD E WEDER ; WILLIAM F STRAETER ; JOSEPH G STRAETER ; MICHAEL J KING

22) Family number: 54364256 (WO14184341A1) © PatBase

Title: CONTAINER CLOSURE WITH RETRACTABLE POURING SPOUT

Abstract: A container closure assembly (10) comprises a collar (12) permanently connectable about a container filling/dispensing aperture, e.g. a neck (28, Fig. 5) of a container (14, Fig. 5). A cap (18) has a rotatably disengageable connection with the collar, e.g. a press-on, screw-off threaded connection, and the assembly includes a tear strip (64) which is removed to permit rotation of the cap relative to the collar and provide tamper indication. A pouring spout (16) is detachably connected to the cap and telescopically slidable within the collar. The tear strip may be provided on the collar, or in a skirt portion or top face of the cap. An easily grippable panel-like handle may be provided, which also comprises a ratchet detent which acts as part of an alternative tamper indicating mechanism.

Classifications:
International (IPC 8-9): B65D41/04 B65D47/06
B65D47/12 (Advanced/Invention)
CPC: B65D41/0485 B65D47/061 B65D47/122 B65D2101/0015
B65D2101/0038 B65D2255/20



Family:

Publication number	Publication date	Application number	Application date
AU2014267212 AA	20151126	AU20140267212	20140516
BR112015028833 A2	20170725	BR20151128833	20140516
CN105531194 A	20160427	CN201480040492	20140516
EP2996955 A1	20160323	EP20140728470	20140516
GB201308940 A0	20130703	GB20130008940	20130517
KR20160012169 A	20160202	KR20157035839	20140516
RU2015153982 A	20170622	RU20150153982	20140516
WO14184341 A1	20141120	WO2014EP60072	20140516

Priority:

GB20130008940 20130517 WO2014EP60072 20140516

Probable Assignee: GREIF INT HOLDING BV

Assignee(s): (std): GREIF INT HOLDING BV

Inventor(s): (std): MICALLEF KEVIN ; DIX MARTIN ; MARTIN DIX ; KEVIN MICALLEF

Agent(s): SPRUSON AND FERGUSON; PHILLIPS AND LEIGH

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 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 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 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

23) Family number: 70237269 (US2018177357A) © PatBase

Title: DUST AND ALLERGEN CONTROL FOR SURFACE CLEANING APPARATUS

Abstract: An apparatus comprising one or more of a surface treatment apparatus having an air treatment member and a refuse container wherein at least one of the surface treatment apparatus and the refuse container is provided with one or more of (a) a dust control member providing a dust control agent comprising one or more of a liquid mist, positive ions and negative ions to an area below a dirt emitting outlet of a dirt collection region of the surface treatment apparatus; and, (b) a treatment applicator providing a treatment agent comprising one or more of a deodorizing agent, a disinfecting agent and a sanitizing agent to an interior volume of the air treatment member and an interior volume of the refuse container.

Classifications:
International (IPC 8-9): A47L13/50 A47L5/38 A47L7/00 A47L9/00
A47L9/10 A47L9/12 A47L9/14 A47L9/16 A47L9/20 A61L11/00
B01D45/00 B08B15/00 B08B15/02 B08B15/04 B08B17/00
B65D43/02 B65F1/10 B65F1/14 B65F1/16 (Advanced/Invention);
A61L11/00 B65F1/10 B65F1/16 (Advanced/Non-invention)
CPC: A47L7/0047 B65F2210/1795 B65F1/16 A47L9/149 A47L9/122
A61L11/00 B01D45/00 B65F2210/168 B01D45/16 B08B15/007
B08B17/00 A47L9/00 A47L9/14 A47L9/1691 B65D43/02 A47L9/106
A47L9/12 A47L9/16 A47L9/1683 B65F1/105 B65F1/1607
B65F2210/129 B65F1/14
US: 1/1 15/310 15/347 15/352

Publication number	Publication date	Application number	Application date
■ CN110291024 A	20190927	CN201780085291	20171211
■ US2018177357 AA	20180628	US20160393055	20161228
■ US2018177358 AA	20180628	US20160393003	20161228
■ US2018177359 AA	20180628	US20160393029	20161228
■ US2018177364 AA	20180628	US20160392973	20161228
■ US2018177365 AA	20180628	US20160393074	20161228
■ US2020017294 AA	20200116	US20190584013	20190926
■ US10214349 BB	20190226	US20160392973	20161228
■ US10244909 BB	20190402	US20160393029	20161228
■ US10244910 BB	20190402	US20160393074	20161228
■ US10322873 BB	20190618	US20160393055	20161228
■ US10464746 BB	20191105	US20160393003	20161228
■ WO18119512 A1	20180705	WO2017CA51492	20171211

US20160392973	20161228	US20160393003	20161228	US20160393055	20161228
US20160393029	20161228	US20160393074	20161228	WO2017CA51492	20171211
US20190584013	20190926				

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 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 QZ 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

Abstract: A milk carton blank formable into a liquid tight parallelepiped shaped milk carton. The milk carton blank comprises a generally rectangular shape having a plurality of panel portions formed by a gridwork of longitudinal and transverse fold lines. Cutout portions in oppositely positioned top and bottom panel portions allow the top and bottom panel portions to be folded and sealed with a relatively small number of operations. A perforated tab portion is described which may be removed from a tongue portion of the milk carton to provide a pouring spout. Additional folding lines are described which allow a portion of a top and lateral side panel of the milk carton to be thrust outwardly to facilitate pouring of liquid therefrom.

US: 206/621.2 222/529 229/217 229/3.1 229/3.5R 229/5.81

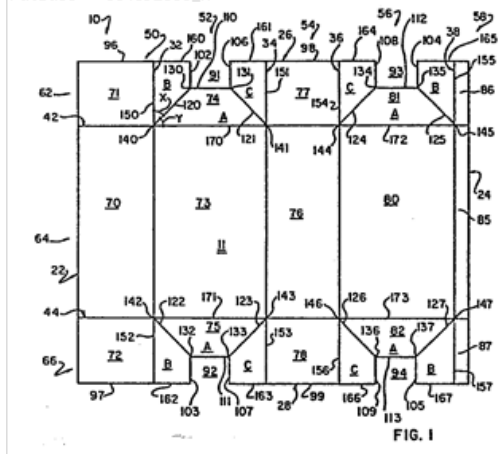


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU198431129 A1	19850131	AU19840031129	19840725
AU561091 B2	19870430	AU19840031129	19840725
CA1224748 A1	19870728	CA19840459581	19840724
EP0132824 A2	19850213	EP19840108693	19840723
EP0132824 A3	19860305	EP19840108693	19840723
ES289159 U	19860216	ES19840289159U	19840724
ES289159 Y	19861001	ES19840289159U	19840724
ES289159 Y1	19861103	ES19840289159U	19840724
JP60045140 A2	19850311	JP19840153895	19840724
MX163087 B	19910819	MX19840202133	19840724
US4691858 A	19870908	US19830517324	19830725
ZA8405644 A	19850327	ZA19840005644	19840720

Priority:

US19830517324 19830725 CA19840459581 19840724

Probable Assignee: COORS CO ADOLPH**Assignee(s):** (std): ADOLPH COORS CO ; ADORUFU KUAZU CO ; COORS CO ADOLPH**Assignee(s):** GRAPHIC PACKAGING CORP ; MORGAN STANLEY SENIOR FUNDING INC ; PEER A DEAN JR ; BANK OF AMERICA NA ; ADOLPH COORS CO GOLDEN CO ; ADOLPH COORS COMPANY**Inventor(s):** (std): PEER A DEAN JR ; PEER A DEAN ; EE DEIN PIA JIYUNIA ; A DEAN PEER ; A DEAN PEER JR ; PEER JR A DEAN**Agent(s):** PHILLIPS ORMONDE FITZPATRICK; HEWITT NEVILLE S**Designated states:** AT BE CH DE FR GB IT LI LU NL SE**25) Family number: 65316309 (US2017088328A)**

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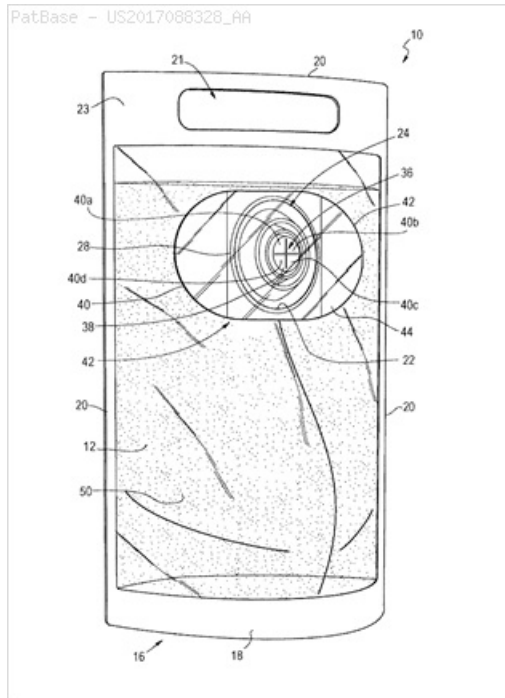
Title: FLEXIBLE CONTAINER WITH EXTENDABLE SPOUT

Abstract: 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/a-olefin multi-block copolymer.

Classifications:**International (IPC 8-9):** B65D30/08 B65D30/20 B65D30/24

B65D33/38 B65D47/06 B65D75/54 B65D75/58 (Advanced/Invention)

International (IPC 1-7): B65D47/06 B65D75/58**CPC:** B65D75/5877 B65D31/04 B65D31/10 B65D31/147 B65D47/063**US:** 1/1 222/529

**Family:**

Publication number	Publication date	Application number	Application date
AR106107 AA	20171213	AR2016P102887	20160922
BR112018004613 A2	20180925	BR20181104613	20160922
CA3000222 AA	20180327	CA20163000222	20160922
CN108025849 A	20180511	CN201680053261	20160922
CO20180003769 A2	20180731	CO20180003769	20180410
EP3356253 A1	20180808	EP20160777854	20160922
ID201811860 A	20181109	ID2018P0002680	20160922
IN201817012841 A	20180720	IN201817012841	20180404
JP2018530482 T2	20181018	JP20180512206T	20160922
KR20180063129 A	20180611	KR20187010385	20160922
MX2018003068 A1	20180507	MX20180003068	20160922
TW201711930 A	20170401	TW20160130504	20160921
US2017088328 AA	20170330	US20150871608	20150930
US9701456 BB	20170711	US20150871608	20150930
WO17058630 A1	20170406	WO2016US53056	20160922

Priority:

US20150871608 20150930 WO2016US53056 20160922

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC**Assignee(s):** (std): DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC**Assignee(s):** FRANCA MARCOS ; PEREIRA BRUNO RUFATO ; MA LIANGKAI ; CRABTREE SAM L ; DOW BRASIL INDUSTRIA E COMERCIO DE QUIMICOS LTDA PROD**Inventor(s):** (std): MA LIANGKAI ; FRANCA MARCOS ; CRABTREE SAM L ; PEREIRA BRUNO RUFATO ; MA LIANG KAI ; SAM L CRABTREE ; BRUNO RUFATO PEREIRA ; MARCOS FRANCA ; LIANGKAI MA ; CRABTREE L SAM**Inventor(s):** CRABTREE L ; SAM CRABTREE L**Agent(s):** SMART AND BIGGAR; JOSE ANDRES RINCON USCATEGUI; BOULT WADE TENNANT; MAROLITA SETIATI; KOBAYASHI HIROSHI; KATAYAMA EIJI; OHMORI NORIO; HUSCH BLACKWELL LLP; BARTHEL TED J**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 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 JP KE KG KM KN KP KR KW 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 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**26) Family number: 21659332 (US2377472A)**

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Title: CARTON OR CONTAINER

Abstract: I claim: 1. In a carton or container, the combination of a hollow body part having adjacent one end an access or discharge opening, the body part being otherwise closed, a hollow cover part arranged for telescopic engagement with said body part adjacent the said one end thereof, and yieldable means comprising relatively still sheet material secured at one end to the material of the lateral sides of the body part and at the opposite end to an inner facial area of said cover part for maintaining at all times the stated telescopic engagement of said cover part relative to said body part and for limiting the extent of movement of said cover part, in direction away from the major portion of said body part, said yieldable means being additional to said cover part and disposed within the hollow interior thereof, said relatively still sheet material having weakened portions to enhance its yieldability, said cover part being provided with a dispensing opening which when the cover part has been moved to or proximate its extended limit position, communicates through the interior of said hollow cover part with the stated access or discharge opening of said hollow body part, the cover part being otherwise closed, the stated dispensing opening of said cover part being moved to its closed position when said cover part and said body part are in maximum telescopic engagement. 2. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end

arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means for positively maintaining at all times telescopic engagement of the cover part, relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means having one of its ends positively secured to the body part and its opposite end secured to the inner face of the closed top of the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part. 3. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means of sheet material for positively maintaining at all times telescopic engagement of the cover part relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means having one of its ends positively secured to the body part and its opposite end secured to the inner face of the closed top of the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part. 4. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means of relatively stiff sheet material having a transversely extending scoring disposed substantially equally between the edge of the access opening of the body part and its connection with the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part. 5. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means for positively maintaining at all times telescopic engagement of the cover part relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means comprising two lengths of sheet material, each extending from the edge of the access opening of the body part to the inner face of the closed top of the cover part and provided with a transversely extending scoring disposed substantially equally between the edge of the access opening of the body part and its connection with the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part. 6. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means for positively maintaining at all times telescopic engagement of the cover part relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means comprising two lengths of sheet material, each extending from the edge of the access opening of the body part to the inner face of the closed top of the cover part and provided with a transversely extending scoring disposed substantially equally between the edge of the access opening of the body part and its connection with the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part. 7. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means for positively maintaining at all times telescopic engagement of the cover part relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means comprising two lengths of sheet material, each extending from the edge of the access opening of the body part to the inner face of the closed top of the cover part and provided with a transversely extending scoring disposed substantially equally between the edge of the access opening of the body part and its connection with the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part and a stopper element secured to the inner face of the closed top of the cover part. 8. In a carton or container, the combination of a body part having an open end serving as an access opening, the body part being otherwise closed; a cover part of permanent formation having an open end arranged to receive the open end of the body part to afford telescopic engagement of the cover part relative to the body part, the cover part having a dispensing opening disposed wholly in one of its lateral sides and a closed top and otherwise closed, its dispensing opening being located adjacent its closed top; and yieldable means for positively maintaining at all times telescopic engagement of the cover part relative to the body part and for limiting the extent of the outward movement of the cover part in direction away from the major portion of the body part, said yieldable means comprising two lengths of sheet material, each extending from the edge of the access opening of the body part to the inner face of the closed top of the cover part and provided with a transversely extending scoring disposed substantially equally between the edge of the access opening of the body part and its connection with the cover part, the effective length of said yieldable means affording when the cover part is in its limited outward position communication of its dispensing opening with the interior of the body part, the dispensing opening of the cover part being closed when the cover part is in retracted position relative to the body part and a stopper element secured to the inner face of the closed top of the cover part. 9. A box formed of sheet material and comprising a containing part, a cover part, and articulative linkage interconnecting the said parts, said containing part having lateral panel walls defining a mouth, said articulative linkage comprising a pair of linkage panel members respectively secured to two of those said lateral panel walls which are disposed opposite each other, and each of said linkage panel members comprising panel sections articulatively joined and adapted to fold upon one another substantially bel'ows-wise, and said cover part being of box formation having lateral panel walls corresponding to the said lateral panel walls of the containing part, said having, further, a closed end and an open end, and being adapted for telescopic movement over the mouth-end of said containing part. 10. A box as recited in claim 9 wherein the articulative linkage is of such length as will allow only limited sliding movement of the cover part upon the mouth end of the containing part, and wherein pouring aperture means is provided in one of those lateral walls of said cover part which is disposed between the said pair of articulative linkage panel members, said pouring aperture means being so located as to be closed by said containing part when said cover part is in retracted telescopic position over said containing part, and as to be open when said cover part is in extended telescopic position over said containing part. 11. A folding box formed of foldable sheet material and comprising a containing part, a cover part, and articulative linkage interconnecting the said parts, the said containing part and the said articulative linkage being formed from a single blank of foldable sheet material cut and scored to provide lateral panel walls defining an open mouth at one end of the containing part and a pair of linkage panel members extending, respectively, from opposite lateral panel walls at said open mouth, each of the linkage panel members of said pair of same being traversed across its width by spaced parallel score lines providing panel sections articulatively joined and adapted to fold upon one another substantially bel'ows-wise, and said cover part being formed from a single blank of foldable sheet material cut and scored to provide lateral panel walls, corresponding to the said lateral panel walls of the containing part, and closure flaps and closure supporting flaps for closing one end of said cover part, the said cover part being arranged for telescopic movement over the said mouth-end of the containing part, and the free-end panel sections of said linkage panel members being secured within said cover part substantially at the closed end thereof. 12. A container comprising a.

receptacle body part having a dispensing opening; a. cover part, the said cover part being adapted to slide in close telescopic it over the said body part, closing the said dispensing opening thereof; and articulative panel linkage interconnecting the said body part and the said cover part and having length sufficient to allow the said cover part to be slid relative to said body part, thereby opening the said dispensing opening for discharge of contents from said body part, said linkage being secured Within said .cover part and being adapted to fold upon itself in the closing of said cover part. 13. A container comprising a receptacle body part having a dispensing opening; a cover part, the said cover part being adapted to slide in close telescopic it over the said body part, closing the said dispensing opening thereof; and articulative panel linkage interconnecting the said body part and the said cover part and having length sufdclent to allow the said cover part to be slid relative to said body part, thereby opening the said dispensing opening for discharge of contents from said body part, said linkage comprising panel sections articulatively joined and adapted to fold upon one another substantially bellows-wise in the closing of said cover part. 14. A container in accordance with claim 12 wherein the cover part is closed at its top end and the articulative panel linkage is secured at the underside of the said closed top end. 15. A container in accordance with claim 13 wherein the cover part is closed at its top end and the articulative panel linkage is secured at the underside of the said closed top end. R..

Classifications:

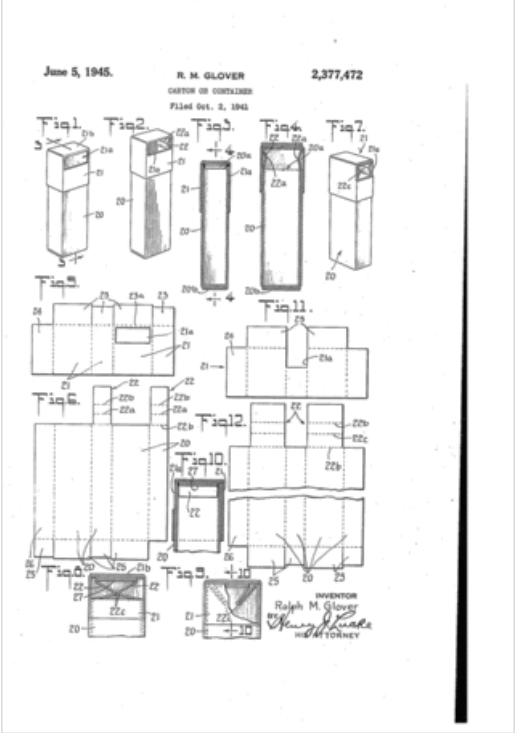
International (IPC 8-9): B65D5/38 (Advanced/Invention); B65D5/00 (Core/Invention)

CPC: B65D5/38

European: B65D5/38

US: 229/125.12 229/125.18 229/125.19 229/125.33

PatBase - US2377472_R



Family:

Publication number	Publication date	Application number	Application date
US2377472 A	19450605	US19410413256	19411002

Priority:

US19410413256 19411002

Probable Assignee:

BOX BLANK CORP

Assignee(s): (std):

BOX BLANK CORP

Inventor(s): (std):

MURRAY GLOVER RALPH

Inventor(s):

GLOVER RALPH MURRAY

27) Family number: 31765348 (US6082045A)

© PatBase

Title: Decorative assembly for a floral grouping

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

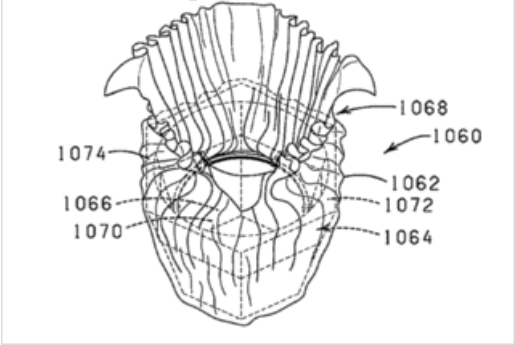
International (IPC 1-7): A01G31/02 A01G9/02 B65D5/36 B65D5/56 G09F1/00

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 229/117.01 229/117.3 40/124.08 40/124.14 47/58.1R 47/65 47/72

PatBase - US6082045_A



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19920941992 19920908 US19950427014 19950424 US19950468178 19950606
US19970827852 19970411 US19990333333 19990615

Probable Assignee: SOUTHPAC TRUST INT INC

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INTERNATIONAL INC

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

28) Family number: 1833372 (EP0028032A1)

© PatBase

Title: CONTAINER FOR DISPENSING A LIQUID OR PASTY PRODUCT BY MEANS OF A PROPELLENT GAS.

Abstract: The container (3) is intended to receive a tube (1) made of resilient material which tube can be emptied by means of a propellant gas which is accommodated in a gas storage tank (10) in the lower part of the container (3) and can be transferred into the sealed interior of the container (3) in the quantity required for emptying the tube (1) via an apportioning valve which can be actuated via finger pressure on the gas storage tank (10); the emptied tube (1) can be exchanged after removal of the upper part (7) of the container (3) containing a product valve (8).

Classifications:

International (IPC 8-9): B65D83/14 (Advanced/Invention);

B65D83/00 (Advanced/Non-invention);

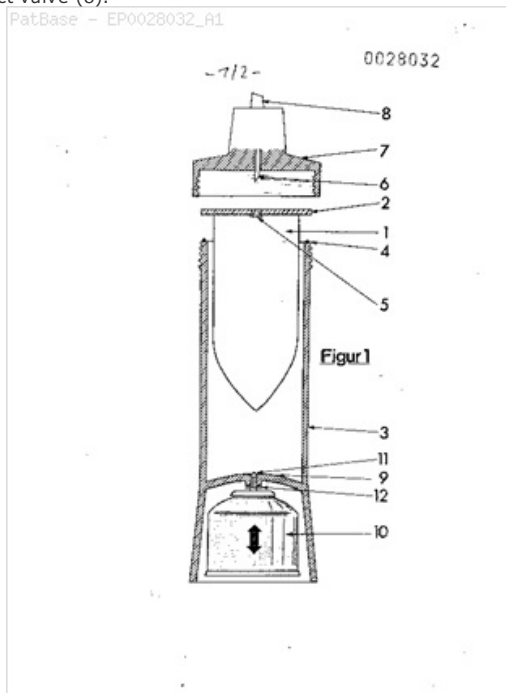
B65D83/14 (Core/Invention);

B65D83/00 (Core/Non-invention)

International (IPC 1-7): B65D83/00 B65D83/14

CPC: B65D83/62 B65D2583/005

European: B65D83/62 L65D583/00R



Family:

Publication number	Publication date	Application number	Application date
DE2943845 A1	19810507	DE19792943845	19791030
DE2943845 C2	19811008	DE19792943845	19791030
EP0028032 A1	19810506	EP19800106668	19801030

Priority:

DE19792943845 19791030

Probable Assignee: BERKMUELLER OTTO

Assignee(s): (std): BERKMUELLER OTTO

Assignee(s): BERKMUELLER OTTO 8000 MUENCHEN DE ; BERKMULLER OTTO

Inventor(s): (std): BERKMUELLER OTTO ; BERKMULLER OTTO

Inventor(s): BERKMUELLER OTTO 8000 MUENCHEN DE

Designated states: CH FR NL

29) Family number: 69019376 (US2018086515A)

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Title: FLEXIBLE CONTAINER WITH POP-UP SPOUT

Abstract: The present disclosure provides a flexible container. In an embodiment, the flexible container includes a first multilayer film and a second multilayer film. Each multilayer film comprises 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. The flexible container includes an orifice in one of the multilayer films, and a pop-up spout extends through the orifice. The pop-up spout has a flange sealed to the multilayer film around the orifice. The pop-up spout comprises an ethylene/a-olefin multi-block copolymer.

Classifications:

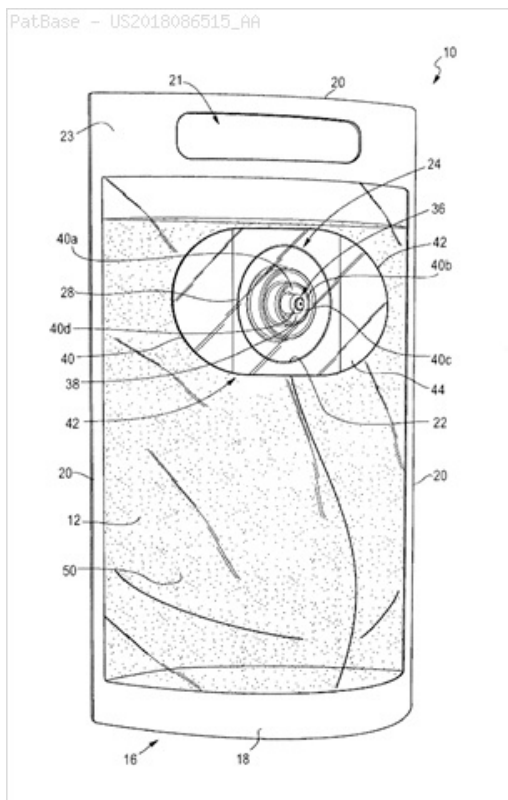
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B65D30/24 B65D33/08 B65D33/38 B65D47/06 B65D53/08

B65D75/00 B65D75/56 B65D75/58 (Advanced/Invention)

International (IPC 1-7): B65D30/08 B65D30/20 B65D30/24

B65D47/06 B65D75/00 B65D75/56 B65D75/58



Family:

Publication number	Publication date	Application number	Application date
AR109704 AA	20190116	AR2017P102629	20170922
BR112019004846 A2	20190604	BR20191104846	20170927
CN109689516 A	20190426	CN201780055128	20170927
CO20190003884 A2	20190628	CO20190003884	20190416
EP3519313 A1	20190807	EP20170785074	20170927
ID201903393 A	20190517	ID2019PID03188	20170927
IN201917014893 A	20190712	IN201917014893	20190412
JP2019529260 T2	20191017	JP20190513754T	20170927
MX2019002811 A1	20191004	MX20190002811	20170927
TW201813888 A	20180416	TW20170132143	20170919
US2018086515 AA	20180329	US20160280447	20160929
US10173813 BB	20190108	US20160280447	20160929
WO18064127 A1	20180405	WO2017US53643	20170927

Priority:

US20160280447 20160929 WO2017US53643 20170927

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): DOW GLOBAL TECH LLC ; DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): DOW BRASIL INDUSTRIA E COMERCIO DE PRODUTOS QUIMICOS LTDA

Inventor(s): (std): KALEYTA SCOTT ; SCHULZ PETER ; SCHUETTE CHAD ; CRABTREE SAM ; CHURCH KEVIN ; KAUFFMANN KEITH ; ZAWISZA JEFFREY ; JENKINS RONALD ; KOHN JOHN ; JENKINS RONALD K ; SCHUETTE CHAD V ; KALEYTA SCOTT R ; CHURCH KEVIN L ; RAMIREZ DANIEL ; SCHULZ PETER J ; ZAWISZA JEFFREY D ; CRABTREE SAM L ; KAUFFMANN KEITH L ; KOHN JOHN F ; CAMINERO GOMES JORGE ; MA LIANGKAI ; JOHN F KOHN ; PETER J SCHULZ ; KEITH L KAUFFMANN ; SAM L CRABTREE ; JEFFERY D ZAWISZA ; KEVIN L CHURCH ; RONALD K JENKINS ; DANIEL RAMIREZ ; SCOTT R KALEYTA ; CHAD V SCHUETTE ; JORGE CAMINERO GOMES ; LIANGKAI MA ; GOMES JORGE CAMINERO ; MA LIANG KAI ; JEFFREY D ZAWISZA

Inventor(s): KAUFFMAN KEITH L

Agent(s): BOULT WADE TENNANT LLP; MARIA CAROLA DEBORA MONINTJA SH MH; HUSCH BLACKWELL LLP; BARTHEL TED J

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 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 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

30) Family number: 57413377 (US2014311617A)

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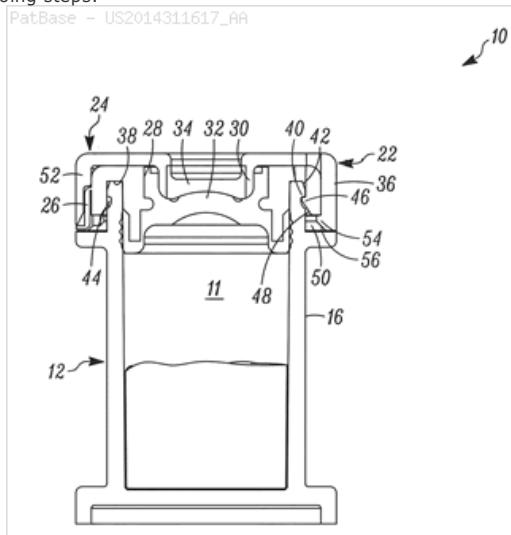
Title: CONTROLLED NON-CLASSIFIED FILLING DEVICE AND METHOD

Abstract: An injection member penetrates an elastic septum of a device defining a sealed, empty, sterile chamber in fluid communication with the septum. During penetrating, an annular interface is formed between the septum and the injection member extending axially between a penetration point on an interior surface of the septum in fluid communication with the sterile chamber, and an exterior surface of the septum engaging the injection member. The injection member is decontaminated by (i) friction between the septum and injection member at the annular interface, and (ii) elongation of the septum at the annular interface. A substance is introduced through the injection member and into the sterile chamber of the

device, the injection member is then withdrawn from the septum, the septum reseals itself at the resulting penetration aperture, and the chamber is maintained sterile throughout the foregoing steps.

Classifications:

International (IPC 8-9): A61J1/00 A61J1/05 A61J1/14 A61J1/20 A61J3/00 A61L2/00 A61L2/02 A61L2/08 A61L2/10 A61L2/18 A61L2/20 A61M25/00 A61M27/00 A61M5/00 A61M5/178 B65B3/00 B65B31/00 B65B39/12 B65B43/42 B65B55/04 B65B7/16 (Advanced/Invention); A61J1/05 (Advanced/Non-invention)
CPC: B65B31/00 B65B3/00 B65B3/04 B65D51/00 A61J1/1406 A61J1/1425 A61J3/002 A61J2200/10 A61M5/002 A61M5/1782 A61J1/201 A61J1/2089 B65B7/16 B65B39/12 B65B43/42 B65B55/04 A61J1/05
US: 1/1 141/1 141/89 215/247 53/426



Family:

Publication number	Publication date	Application number	Application date
AU2014233167 AA	20151008	AU20140233167	20140315
AU2014233167 BB	20170316	AU20140233167	20140315
AU2017204083 AA	20170713	AU20170204083	20170616
BR112015023625 A2	20170718	BR20151123625	20140315
CA2907335 AA	20150915	CA20142907335	20140315
CA2907335 C	20170919	CA20142907335	20140315
CA2977274 AA	20140918	CA20142977274	20140315
CA2977274 C	20190702	CA20142977274	20140315
CA3043567 AA	20140918	CA20143043567	20140315
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EP2969774 A2	20160120	EP20140764580	20140315
EP2969774 A4	20161214	EP20140764580	20140315
EP2969774 B1	20181031	EP20140764580	20140315
IN08406DN2015 A	20160729	IN2015DN08406	20150915
JP2016524475 T2	20160818	JP20160503318T	20140315
JP2019088811 A2	20190613	JP20190000254	20190104
JP6463726 B2	20190206	JP20160503318T	20140315
KR20150130546 A	20151123	KR20157029496	20140315
RU2015143861 A	20170426	RU20150143861	20140315
RU2626198 C2	20170724	RU20150143861	20140315
US2014311617 AA	20141023	US20140214890	20140315
US2017158365 AA	20170608	US20170434468	20170216
US2019185191 AA	20190620	US20190270172	20190207
US9604740 BB	20170328	US20140214890	20140315
US10202214 BB	20190212	US20170434468	20170216
WO14145313 A2	20140918	WO2014US30052	20140315
WO14145313 A3	20150129	WO2014US30052	20140315

Priority:

US20130798210P	20130315	AU20140233167	20140315	CA20142907335	20140315
CN201480024159	20140315	CA20142977274	20140315	US20140214890	20140315
JP20160503318T	20140315	WO2014US30052	20140315	US20170434468	20170216
AU20170204083	20170616	CA20172907335	20170830	JP20190000254	20190104
US20190270172	20190207				

Probable Assignee: DR PY INST LLC

Assignee(s): (std): DR PI INST ELELSI ; DR PY INST LLC ; PY INST LLC DR

Assignee(s): PY DANIEL ; DRPY INST LLC ; MCCARTER AND ENGLISH LLP ; DR PY INSTITUTE LLC ; DR PI INSTYTUT ELELSI

Inventor(s): (std): PY DANIEL ; DANIEL PY ; PI DANIEL

Agent(s): IP GATEWAY PATENT AND TRADEMARK ATTORNEYS PTY LTD; IP GATEWAY PATENT AND TRADE MARK ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; PATENTANWALTE BAUER VORBERG KAYSER; FUKAMI PATENT OFFICE PC; MCCARTER AND ENGLISH LLP; GIARRATANA MARK D ET AL

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 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 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 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

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

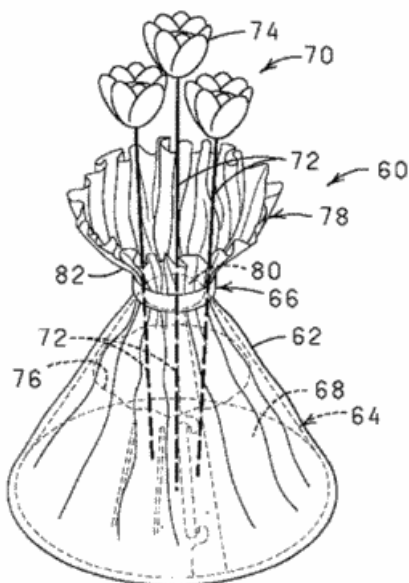
International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72

PatBase - US5937576_A



Family:

Publication number	Publication date	Application number	Application date
US5937576 A	19990817	US19970827852	19970411

Priority:

US19920941992 19920908 US19950427014 19950424 US19950468178 19950606
US19970827852 19970411

Probable Assignee: SOUTHPAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTE

Assignee(s): (std): SOUTHPAC TRUST INT INC

Assignee(s): SOUTHPAC TRUST INT INC NOT INDIVIDUALLY BUT TRUSTE ; SOUTHPAC TRUST INTERNATIONAL INC ; SOUTHPAC TRUST INT

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

32) Family number: 34236400 (US2008203105A)

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Title: PACKAGING

Abstract: A packaging sleeve for a beverage pouch having a spout through which the pouch can be filled and a removable cap for closing the spout until it is desired to consume the beverage. The sleeve is configured to define a cavity arranged to receive the pouch so that the spout projects from the sleeve at one end and the sleeve is capable of standing unsupported on a surface at the other end while the pouch is supported in the sleeve. The sleeve is flexible to allow the pouch to be squeezed while consuming the beverage.

Classifications:

International (IPC 8-9): B65D30/00 B65D65/22

B65D75/52 (Advanced/Invention);

B65D65/22 (Core/Invention)

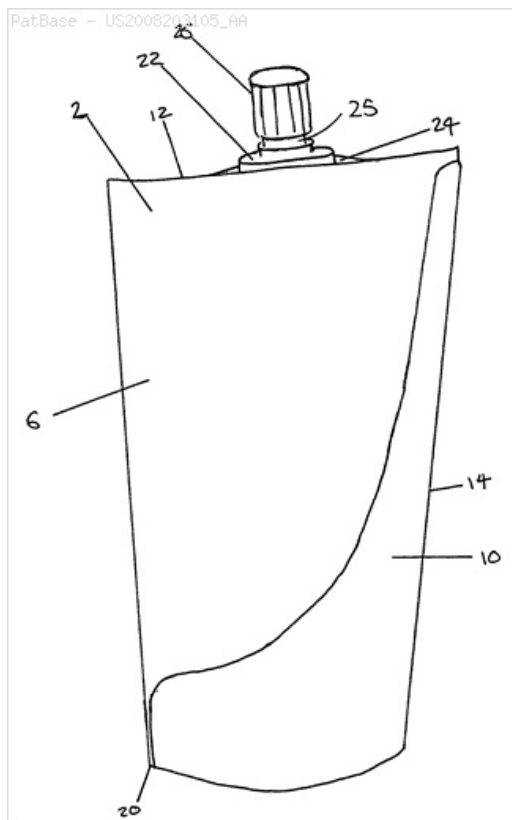
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European: B65D75/00E B65D75/52F B65D75/58G3C B65D81/32H

B65D81/32H1 B65D85/72 L29C65/02 L29C65/04 L65B39/12

US: 220/737



Family:

Publication number	Publication date	Application number	Application date
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EP1964785 B1	20150826	EP20070254790	20071212
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GB200714618 A0	20070905	GB20070014618	20070727
US2008203105 AA	20080828	US20070001684	20071212

Priority:

GB20060024800 20061213 GB20070014618 20070727 EP20070254790 20071212

Probable Assignee: IMI CORNELIUS UK LTD

Assignee(s): (std): BURNETT MARTIN DESMOND ; CORNELIUS BEVERAGE TECHNOLOGIES LTD ; HOLDWAY ANDREW JOHN ; IMI CORNELIUS UK LTD ; MORSE SIMON EDWARD ; TROTMAN STEPHEN CRAIG

Assignee(s): IMI CORNELIUS (UK) LTD ; IMI CORNELIUS UK LIMITED ; IMI CORNELIUS LTD ; CORNELIUS BEVERAGE TECHNOLOGIES LTD BRIGHOUSE

Inventor(s): (std): MORSE SIMON EDWARD ; BURNETT MARTIN DESMOND ; TROTMAN STEPHEN CRAIG ; HOLDWAY ANDREW JOHN

Inventor(s): HOLDWAY ANDREW JOHN TROWBRIDGE

Agent(s): MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; WIGHTMAN DAVID ALEXANDER; PYLE AND PIONTEK LLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT RO RS SE SI SK TR

33) Family number: 13257435 (GB2295384A)

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Title: Dispensing valve

Abstract: A dispensing valve (10) enables a fluid such as a powder to be dispensed from one container (12) to another such as a flask (14). The valve assembly includes a duct (16) tapering to a port at one end, and a variable-length enclosure (34) supported within the duct (16), the enclosure (34) defining at one end a valve door (40) for the port, and including means (48, 50, 54) to clamp a lid (26) of the flask (14) to the outside of the door (40). The door (40) has a seal (42) to seal to both the port and the lid (26), and the flask (14) is also sealed to the outside face of the port. The valve enables a powder to be transferred between the containers (12, 14) without contacting any external surfaces of the flask (14), the lid (26) or the valve (16, 40).

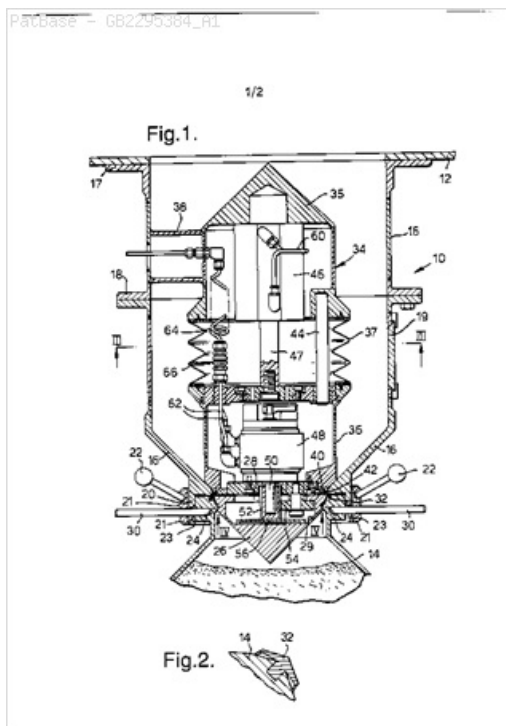
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International (IPC 1-7): B65D90/62 B65G69/18

CPC: B65D90/626 B65G69/183

European: B65D90/62C B65G69/18B4

**Family:**

Publication number	Publication date	Application number	Application date
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GB9423666 A0	19950111	GB19940023666	19941123

Priority:

GB19940023666 19941123

Probable Assignee: ATOMIC ENERGY AUTHORITY UK**Assignee(s):** (std): ATOMIC ENERGY AUTHORITY UK**Assignee(s):** UNITED KINGDOM ATOMIC ENERGY AUTHORITY**Inventor(s):** (std): TAYLOR WILLIAM ; BIRCHALL ANDREW BRYAN**Inventor(s):** ANDREW BRYAN BIRCHALL ; WILLIAM TAYLOR**34) Family number: 30775440** (US2002023409A)

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Title: MEDICAMENT VIAL HAVING A HEAT-SEALABLE CAP, AND APPARATUS AND METHOD FOR FILLING THE VIAL

Abstract: A resealable cap for a medicament vial has a base portion formed of vulcanized rubber or like material known for providing a stable environment for the medicament contained within the vial, and a resealable portion overlying the base portion. The resealable portion is made of low-density polyethylene or like material, and can be punctured by a needle or like injection member for dispensing medicament into the vial. Prior to filling, the cap is assembled to the vial and the cap/vial assembly is sterilized. Then, a needle is inserted through the cap and medicament is introduced through the needle and into the vial. Upon withdrawal of the needle, the penetrated region of the cap is fused by laser or direct heat sealing to hermetically seal the needle hole in the cap.

Classifications:

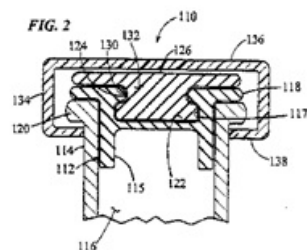
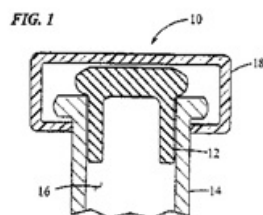
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International (ipc 1-7): A61B19/00 A61J1/00 A61J1/05 A61J3/00 B01L3/00 B65B1/04 B65B1/20 B65B3/04 B65B3/24 B65B55/04 B65B57/02 B65B7/28 B65D B65D0/00 B65D1/00 B65D3/00 B65D39/00 B65D39/04 B67B3/24 B67C3/00

CPC: C07K14/47 A61L2/081 A61L2202/121 B65D39/007 B65D51/00 B29C65/1619 B29C66/542 B29C65/00 A61L2/08 B29C65/16 B29C65/1616 B29C65/1654 B29C65/1677 B29C65/18 B29C66/001 B29C66/1222 B29C66/1224 B29C66/12461 B29C66/1312 B29C66/342 B29C66/534 B29C66/5344 B29C66/612 B29C66/71 B29C66/73755 B29C66/7392 B29C66/73921 B29C66/7394 B29C66/8322 B29C67/004 B29L2031/7158 B29L2031/753 A61J1/1406 A61J1/1425 A61J1/1431 A61J1/1468 A61J1/18 A61J1/201 A61J1/2013 A61J1/2055 A61J1/2075 A61J1/2096 A61M2207/00 A61M2209/045 B65B3/003 B65B7/161 B65B2039/009 B65D51/002 A61J1/1412 B65B3/027 B65B51/10 B65B55/08

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US: 1/1 14/18.5 14/19.4 141/1 141/11 141/11P 141/11S 141/1P
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US20150610016	20150130	US20170584954	20170502		

Probable Assignee: MEDINSTILL DEVELOPMENT LLC

Assignee(s): (std): AGENSYS INC ; ASSION NORBERT M ; MEDICAL INSTILL TECH INC ; MEDICAL INSTILL TECHNOLOGICS I ; MEDICAL INSTILL TECHNOLOGIES INC ; INSTIVE MEDICAL TECHNOLOGY CO LTD ; MEDIKAL INSTILL TEKNOLODZHIS INK ; MEDIKAL INSTILL TEKNOLODZHIS I ; MEDICAL INSTILL TECHNOLOGY INC ; MEDINSTILL DEV LLC ; PY DANIEL ; PY DANIEL C ; MEDICAL INSTILL TECHNOLOGIES

Assignee(s): PY PATENT INC ; MEDINSTILL DEVELOPMENT LLC ; MEDICAL INSTILL TECHNOLOGIES INC STAMFORD ; MEDICAL INSTILL TECHNOLOGIES INC 417 WEST AVENUE STAMFORD CT ; MEDICAL INSTILL TECHNOLOGICS INC ; MCCARTER AND ENGLISH LLP ; MEDICAL INSTILL TECHNOLOGIES I ; INSTILLATION MEDICAL TECHNOLOGIES INC ; INSTIVE MEDICAL TECHNOLOGY CO

Inventor(s): (std): ASSION NORBERT M ; PY DANIEL ; GIARRATANA MARK D ; DANIEL PY ; PY DANIEL ASSION NORBERT M ; ASSION NOBERT M ; PAJ DEHNIEL ; EHSSION NORBERT M ; PY DANIEL DR ; MEDICAL INSTILL TECHNOLOGIES INC

Inventor(s): ASSION NORBERT ; PY DANIEL STAMFORD ; ASSION NORBERT MATHAIS ; DR DANIEL PY ; NORBERT M ASSION

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; RIDOUT AND MAYBEE LLP; DILIA MARIA RODRIGUEZ DALEMAN; PATENTANWAELE BAUER VORBERG KAYSER PARTNERSCHAFT MBB; KAYSER MARTIN; BAUER VORBERG KAYSER PATENTANWAELE; CLT PATENT AND TRADEMARK HK LTD UNIT 10 34 F OFFICE TOWER CONVENTION; CLT PATENT AND TRADEMARK HK LTD; ELLA CHEONG HONG KONG LTD; CHINA SINDA INTELLECTUAL PROPERTY LTD; DEACONS; WOLFF BREGMAN AND GOLLER; REINHOLD COHN AND PARTNERS; YOSHIDA KENJI; ISHIDA JUN; DREW AND NAPIER LLC; MCCARTER AND ENGLISH LLP, CITYPLACE I; MCCARTER AND ENGLISH LLP CITYPLACE I; MCCARTER AND ENGLISH LLP HARTFORD CITYPLACE I; MCCARTER AND ENGLISH LLP; GIARRATANA MARK D

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

35) Family number: 29618455 (WO05014438A2)

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Title: IMPROVEMENTS RELATING TO PACKAGING

Abstract: A packaging for protecting a personal accessory, such as a pair of spectacles, within a retail environment, is described. The packaging comprises a protective portion encasing at least a substantial part of the accessory to protect the same from handling damage within the retail environment, the protective portion being translucent at least in part to enable viewing of a significant part of the accessory within the packaging; wherein the packaging is arranged to retain the accessory in a user-wearable configuration and to enable the packaging to be worn by an individual such that at least an approximation can be obtained of the accessory's appearance when worn.

Classifications:

International (IPC 8-9): A45C11/04 A47F7/02 B65D75/32 B65D85/38 (Advanced/Invention);

B65D85/38 (Advanced/Non-invention);

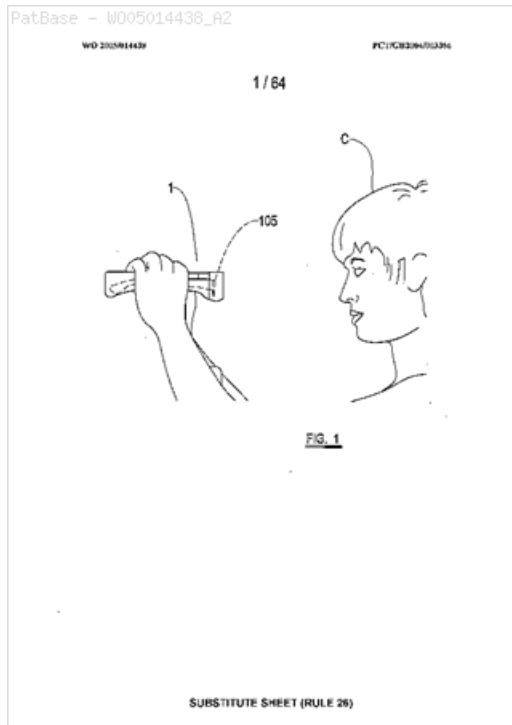
A45C11/04 A47F7/02 B65D75/28 (Core/Invention);

B65D85/38 (Core/Non-invention)

International (IPC 1-7): A45C11/04 A47F7/02 B65D85/38

CPC: A47F7/021 A45C11/04 B65D75/32 B65D85/38

European: A45C11/04 A47F7/02B B65D75/32 B65D85/38 L65D85/38



Family:

Publication number	Publication date	Application number	Application date
GB200318243 A0	20030903	GB20030018243	20030804
GB200318687 A0	20030910	GB20030018687	20030808
GB200319281 A0	20030917	GB20030019281	20030815
GB200323445 A0	20031105	GB20030023445	20031007
GB200402329 A0	20040310	GB20040002329	20040203
GB200417368 A0	20040908	GB20040017368	20040804
GB2404644 A1	20050209	GB20040017368	20040804
GB2404644 B2	20061206	GB20040017368	20040804
WO05014438 A2	20050217	WO2004GB03366	20040804
WO05014438 A3	20050421	WO2004GB03366	20040804

Priority:

GB20030018243 20030804 GB20030018687 20030808 GB20030019281 20030815
GB20030023445 20031007 GB20040002329 20040203

Probable Assignee: HAK DIRECT LTD

Assignee(s): (std): ABOU JAOUDE GEORGES ; HAK DIRECT LTD ; LENNEY ANDREW JOHN ; MORRIS JEFFREY CLIVE

Assignee(s): HAK DIRECT LIMITED

Inventor(s): (std): MORRIS JEFFREY CLIVE ; LENNEY ANDREW JOHN ; ABOU JAOUDE GEORGES

Inventor(s): JEFFREY CLIVE MORRIS ; GEORGES ABOU JAOUDE ; ANDREW JOHN LENNEY

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

36) Family number: 30555466 (US4569355A)

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Title: Method and apparatus for monitoring and diagnosing peripheral blood flow

Abstract: A heat exchanger changes the temperature of a predetermined area of the skin at a programmed rate preferably by cooling. The rate at which the area of skin changes in response to temperature change of the heat exchanger and the rate the skin temperature returns to normal are then measured and compared to standard rates over a number of cycles. Impaired peripheral blood flow is evident especially on subsequent cycles as vascular disease slows the rate of return to normal temperature of the skin. The heat exchanger has a cooling chamber with one side of the chamber being a cooling surface adjacent to the skin. An injector is connected to a source of fluid having a boiling point at ambient pressure less than the temperature to which the skin is to be cooled and greater than ambient temperature of the apparatus. The injector injects fluid into the chamber and onto the side of the cooling surface opposite the skin to boil the fluid on the surface to cool the surface and the skin.

Classifications:

International (IPC 8-9): A41D13/005 A42B3/28 A61B5/026

A61B5/103 A61F7/00 A61F7/02 A61F7/10 B65D83/14

G05D23/19 (Advanced/Invention);

A61B5/026 A61F7/00 A61F7/02 (Advanced/Non-invention);

A41D13/005 A42B3/04 A61F7/00 B65D83/14 (Core/Invention);

A61F7/02 (Core/Non-invention)

International (IPC 1-7): A61B5/02 A61F7/00 A61F7/10 B65D35/28

B67D5/00 B67D5/42

CPC: A41D13/0053 A42B3/285 A61F7/10 A61F2007/0051

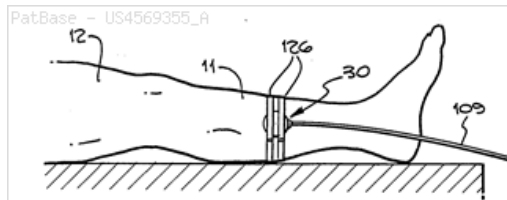
A61F2007/0057 A61F2007/0058 A61F2007/0274 A61B5/026 A61B5/441 A61F7/00 A61F2007/0093 G05D23/1919 B65D83/62

European: A41D13/005C A42B3/28C A61B5/026 A61B5/44B A61F7/00 A61F7/10 B65D83/62 G05D23/19E K61F7/00A7

K61F7/00C2A K61F7/00C2B K61F7/00P K61F7/02P4S

US: 128/400 128/691 222/105 222/131 222/386.5 222/389 222/399 222/94 222/95 239/323 600/504 607/104 607/107

607/114 62/48.1 D24/186



Family:

Publication number	Publication date	Application number	Application date
AU198651907 A1	19860618	AU19860051907	19851118
AU198656243 A1	19860924	AU19860056243	19860307
AU198819851 A1	19890119	AU19880019851	19880617
EP0204815 A1	19861217	EP19860900363	19851118
EP0204815 A4	19880608	EP19860900363	19851118
EP0216857 A1	19870408	EP19860902151	19860307
EP0216857 A4	19900626	EP19860902151	19860307
JP62501479 T2	19870618	JP19850505417	19851118
JP63500565 T2	19880303	JP19860502160	19860307
US4569355 A	19860211	US19820383004	19820528
US4756310 A	19880712	US19840673509	19841119
US4867344 A	19890919	US19870064870	19870619
US4869250 A	19890926	US19850709093	19850307
WO8603118 A1	19860605	WO1985US02266	19851118
WO8605088 A1	19860912	WO1986US00497	19860307
WO8810216 A1	19881229	WO1988US02118	19880617

Priority:

US19820383004	19820528	US19840673509	19841119	US19850709093	19850307
WO1985US02266	19851118	WO1986US00497	19860307	US19870064870	19870619
WO1988US02118	19880617	US19880673509	19881119		

Probable Assignee: THERMACOR TECHNOLOGY INC

Assignee(s): (std): HEMODYNAMICS TECHN INC ; HEMODYNAMICS TECHNOLOGY INC ; THERMACOR TECHNOLOGY INC

Assignee(s): HEMODYNAMICS TECHNOLOGY INC (HEMODYNAMICS) ; HEMODYNAMICS TECHNOLOGY INC A CORP OF NE

Inventor(s): (std): BITTERLY JACK G ; JACK G BITTERLY

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: AT AU BE BR CH DE DK FR GB IT JP LI LU NL NO SE

37) Family number: 287506 (US3498018A)

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Title: METHOD OF FORMING A PACKAGE

Abstract: ABSTRACT OF THE DISCLOSURE

A package and a method of forming the same wherein a quantity of a compressible product is arranged in the form of an upright mass on a bottom forming, raised panel portion of a semi-rigid preformed plastic base which has flange-like, peripherally extending marginal portions connected by a peelable adhesive to like marginal portions of an inverted cup-shaped, transparent body member of semi-rigid, preformed plastic and the product is compressed by a pressure applying plate engaging the bottom panel so as to completely fill the available space within the package with the product and to shape the product to conform substantially to the interior of the container while being sealed under vacuum.

Classifications:

International (IPC 8-9): B65B1/24 B65B7/28 B65D75/28

B65D75/32 (Advanced/Invention);

B65B1/00 B65B7/28 B65D75/28 (Core/Invention)

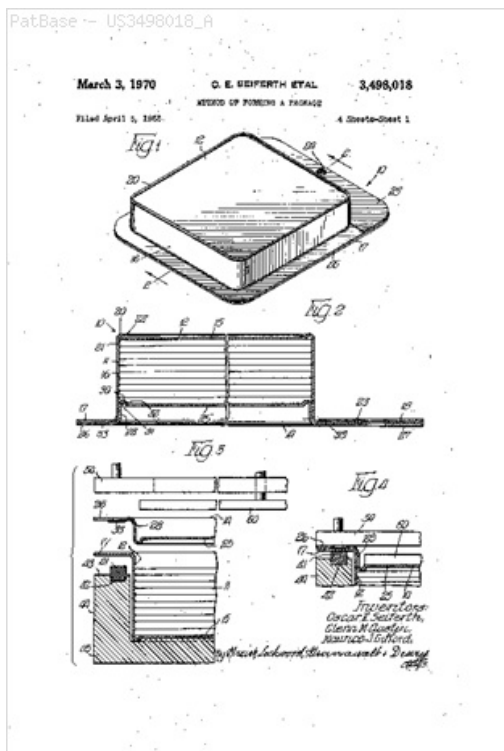
International (IPC 1-7): B65B1/24 B65B25/06 B65B3/12 B65B31/00

B65B7/28 B65D1/10 B65D6/00 B65D85/00

CPC: B65B1/24 B65B7/2878 B65D75/28 B65D75/32 B65D75/366

European: B65B1/24 B65B7/28F4 B65D75/28 B65D75/32

B65D75/36F

**Family:**

Publication number	Publication date	Application number	Application date
DE1511693 A1	19691016	DE19661511693	19660405
DE1511693 B2	19741219	DE19661511693	19660405
DE1511693 C3	19750724	DE19661511693	19660405
DE1786613 B1	19770811	DE19661786613	19660405
DE1786613 C2	19780330	DE19661786613	19660405
GB1131629 A	19681023	GB19660014474	19660401
US3498018 A	19700303	US19650445579	19650405

Priority:

US19650445579 19650405

Probable Assignee: MAYER AND CO INC O**Assignee(s):** (std): MAYER AND CO INC O ; MAYER AND CO OSCAR**Assignee(s):** OSCAR MAYER AND CO ; OSCAR MAYER AND CO INC ; OSCAR MAYER AND CO INC CHICAGO ILL V ST A ; OSCAR MAYER AND CO INC**Inventor(s):** (std): EUGENE SEIFERTH OSCAR ; GIFFORD MAURICE ; SEIFERTH OSCAR EUGENE ; SEIFERTH OSCAR E ; GIFFORD MAURICE JENNINGS ; GIFFORD MAURICE J ; AUSTIN GLENN MINOR ; AUSTIN GLENN M ; JENNINGS GIFFORD MAURICE ; MINOR AUSTIN GLENN**Inventor(s):** OSCAR E SEIFERTH ; MAURICE J GIFFORD ; GIFFORD MAURICE JENNINGS MONONA ; GLENN M AUSTIN**38) Family number: 19212506 (US3834528A)**

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Title: CARRIER-BAGS**Abstract:** A carrier-bag formed from a rectangular sheet of flexible material, e.g., plastics film, by securing two opposite edges each in pleated or bunched form, such that goods to be packed may be stacked upon the flat, empty bag and the bag opened out around the goods, and carried by handles provided towards the other pair of opposite edges.**Classifications:****International (IPC 8-9):** A45C3/04 B65D33/02 B65D33/06

B65D33/08 B65D85/00 (Advanced/Invention);

A45C3/00 B65D33/02 B65D33/06 B65D85/00 (Core/Invention)

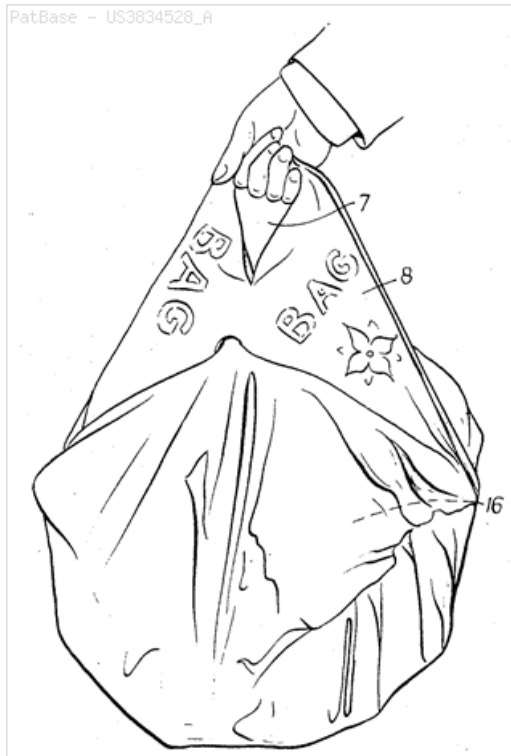
International (IPC 1-7): A45C3/04 A47F B31B21/00 B65B67/10

B65D29/00 B65D29/02 B65D30/10 B65D31/10 B65D31/16

B65D33/00 B65D33/02 B65D33/06 B65D33/08 B65D37/00

B65D85/00

CPC: B65D33/06 A45C3/04 B65D33/08**European:** A45C3/04 B65D33/06 B65D33/08**US:** 206/526 383/10 383/119 383/120

**Family:**

Publication number	Publication date	Application number	Application date
AT172672 A	19750115	AT19720001726	19720302
AT326035 B	19751125	AT19720001726	19720302
AU197239246 A1	19741219	AU19720039246	19720222
AU456985 B2	19750116	AU19720039246	19720222
BE780278 A	19720906	BE19720780278	19720306
CA976124 A1	19751014	CA19720135622	19720225
CH542608 A	19731015	CH19720002985	19720301
DE2210435 A1	19720921	DE19722210435	19720303
DE2210435 B2	19770127	DE19722210435	19720303
DE2210435 C3	19770922	DE19722210435	19720303
DK129442 B	19741014	DK19720001020	19720303
DK129442 C	19750310	DK19720001020	19720303
ES199404 U	19750716	ES19720199404U	19720304
ES199404 Y	19751201	ES19720199404U	19720304
FR2128517 A1	19721020	FR19720007190	19720302
FR2128517 B1	19770114	FR19720007190	19720302
GB1338934 A	19731128		19710305
IE36093 B	19760818	IE19720000196	19720217
IE36093 L	19720905	IE19720000196	19720217
IT961144 A	19731210	IT19720021071	19720225
LU64892 A	19730309		19720302
NL7202831 A	19720907	NL19720002831	19720303
NO135861 B	19770307	NO19720000544	19720222
NO135861 C	19770615	NO19720000544	19720222
SE383627 B	19760322	SE19720002188	19720222
SE383627 C	19760701	SE19720002188	19720222
US3834528 A	19740910	US19720227807	19720222
ZA7201512 A	19731031	ZA19720001512	19720306

Priority:

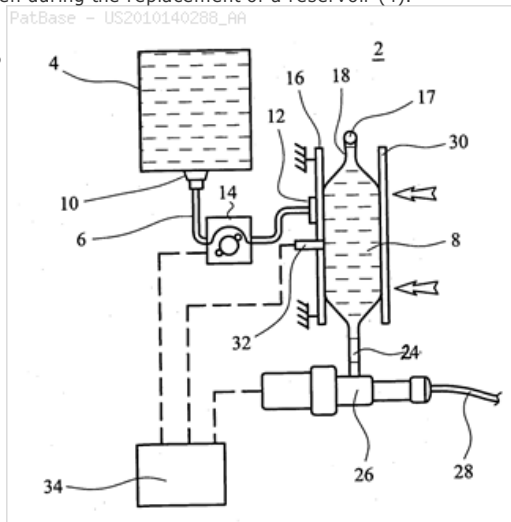
GB19710006108 19710305 GB19710012342 19710430 GB19710019891 19710610
 GB19710006108 19720207

Probable Assignee: BRITISH VISQUEEN LTD**Assignee(s):** (std): BRITISH VISQUEEN LTD ; BRITISH VISQUEEN LIMITED ; BRITISH VISQUEEN LTD ; BRITISH VISQUEEN LTD GB ; BRITISH VISQUEEN LTD LONDON**Assignee(s):** BRITISH VISQUEEN LTD IMPERIAL CHEMICAL HOUSE MILLBANK LONDON S W 1 GR BR ; DEARDS HENRY C ; PICKFORD NIGEL E ; BRITISH VISQUEEN LTD IMP CHEMICAL HOUSE MILLBANK LONDON SW1 ; BRITISH VISQUEEN LTD IMPERIAL CHEMICAL HOUSE MILLB ; BRITISH VISQUEEN**Inventor(s):** (std): PICKFORD NIGEL EVANS ; DEARDS HENRY CHARLES ; PICKFORD NIGEL E ; DEARDS HENRY C ; WELWYN HERTFORDSHIRE GROSSBRIT ; PICKFORD N ; DEARDS H ; DEARDS H C ; PICKFORD N E ; DEARDS H GB ; PICKFORD N GB ; WELWYN HERTFORDSHIRE ; NIGEL EVANS PICKFORD ; HENRY CHARLES DEARDS**Inventor(s):** NIGEL EVANS PICKFORD AND HENRY CHARLES BEARDS ; CHARLES DEARDS HENRY ; EVANS PICKFORD NIGEL

Abstract: Apparatus for delivering a fluid, especially for delivering colourants or the like to a premixer stage of plastics forming equipment, for example an injection moulder or extruder is described. The apparatus includes a fluid supply means (4, 200) connected to a reservoir (8, 208) which is arranged to concertina between minimum and maximum volume conditions. The reservoir (208) is connected via pipeline (24) and peristaltic pump (26) to a delivery means which is arranged to deliver the fluid to a desired location. When the fluid supply means (200) is empty, the level of fluid in the reservoir (208) will fall below the level of a capacitance sensor (32) which will sense the presence of air and cause a signal to be output to alert an operator to change fluid supply means (4). The fluid supply means may be changed before the reservoir is empty of fluid and, accordingly, the process may be operated continuously, even during the replacement of a reservoir (4).

Classifications:

International (IPC 8-9): B23P19/00 B29C31/04 B65D35/38 B65D35/56 B65D37/00 B65D43/02 B65D47/06 B65D83/00 B67D1/06 B67D1/12 B67D5/02 B67D7/00 B67D7/02 B67D7/56 B67D7/74 F16K15/00 F16K7/00 F16L37/40 (Advanced/Invention); B23P19/00 B29C31/04 B65D35/00 B65D43/02 B65D83/00 B67D1/00 B67D7/00 B67D7/74 F16L37/28 (Core/Invention); B65D B67D F16L (Subclass/Invention)
International (IPC 1-7): B67D1/12
CPC: B01F15/0201 B01F15/0244 B01F15/0245 B29B7/603 B29B7/94 B67D7/0216 Y10T29/49815 B65D35/38 B65D47/06
European: B01F15/02B40L1 B01F15/02B40L2 B29B7/60B B29B7/94 B67D7/02C L01F15/02B
US: 222/1 222/103 222/133 222/181.2 222/181.200S 222/1P 222/207 222/214 222/23 222/23S 222/325 222/372 222/527 222/64 29/426.1 29/426.100S



Family:

Publication number	Publication date	Application number	Application date
AU2007337870 AA	20080703	AU20070337870	20071219
AU2007337870 BB	20121108	AU20070337870	20071219
AU2012238248 AA	20121101	AU20120238248	20121008
AU2012238248 BB	20140417	AU20120238248	20121008
BRPI0719489 A2	20140218	BR2007PI19489	20071219
CA2672159 AA	20090610	CA20072672159	20071219
CN101568486 A	20091028	CN200780047796	20071219
CN101568486 B	20140122	CN200780047796	20071219
CN103144835 A	20130612	CN201310065367	20071219
EP2121506 A2	20091125	EP20070858790	20071219
GB200625896 A0	20070207	GB20060025896	20061223
GB200720868 A0	20071205	GB20070020868	20071024
IN03687DN2009 A	20100101	IN2009DN03687	20090605
JP2010514632 T2	20100506	JP20090542205T	20071219
JP5480627 B2	20140423	JP20090542205T	20071219
KR20090098892 A	20090917	KR20097014765	20071219
MX2009006813 A1	20090910	MX20090006813	20071219
RU2009127538 A	20110127	RU20090127538	20071219
RU2012122369 A	20131210	RU20120122369	20120531
RU2470853 C2	20121227	RU20090127538	20071219
US2010140288 AA	20100610	US20070520650	20071219
US2013284768 AA	20131031	US20130855810	20130403
US8496136 BB	20130730	US20070520650	20071219
WO08078075 A2	20080703	WO2007GB04876	20071219
WO08078075 A3	20090312	WO2007GB04876	20071219
ZA200903985 A	20100825	ZA20090003985	20071229

Priority:

GB20060025896 20061223	GB20070020868 20071024	AU20070337870 20071219
WO2007GB04876 20071219	RU20090127538 20090720	US20090520650 20091204
AU20120238248 20121008	US20130855810 20130403	

Probable Assignee: COLORMATRIX HOLDINGS INC

Assignee(s): (std): COLORMATRIX HOLDINGS INC ; COLORMATRIX HOLDINGS INC ; JONES BRIAN STEWART ; MALORNI SERGIO ; NOVOZYMES AS ; KOLORMATRIKS Kholdings INK ; COLORMATRIX SERVICE CO ; PRATT MICHAEL ALEXANDER

Assignee(s): GENERAL ELECTRIC CAPITAL US AGENT AS CORP ; BANK OF AMERICA NA ; BANK OF NEW YORK MELLON TRUST CO NA ; CITIBANK NA ADMINISTRATIVE AGENT AS ; NOVOZYMES A S

Inventor(s): (std): PRATT MICHAEL ALEXANDER ; DZHONS BRAJAN STJUART ; PRATT MAJKL ALEKSANDR ; MALONI SERDZHIO ; STEWART JONES BRIAN ; SERGIO MALORNI ; ALEXANDER PRATT MICHAEL ; JONES BRIAN STEWART ; PRATT MICHAEL ALEXANDER ; MALORNI SERGIO

Inventor(s): BRIAN STEWART JONES ; MICHAEL ALEXANDER PRATT

Agent(s): DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; RIDOUT AND MAYBEE LLP ; BRIERLEY ANTHONY PAUL ; ONDA HIRONORI ; ONDA MAKOTO ; FAY SHARPE LLP ; BRIERLEY ANTHONY PAUL ET AL

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 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 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

Title: FITMENT HAVING REMOVABLE MEMBRANE

Abstract: A fitment for use as a pour spout for a paper carton or flexible bag for liquids and powders has a flange which may be welded around a hole in the carton or bag. A spout projecting outward from the flange is provided with a removable membrane integral with the interior of the spout. Preferably the membrane is concave. A horizontally disposed pull ring is attached to the membrane by a connector so that pulling the ring removes the membrane by fracturing the tear line at the juncture of the outer edge of the membrane and the projection. A cap snaps over the spout and may be removed by unscrewing the complementary threads on cap and spout. Optionally, a tamper-evidencing band frangibly connected to the lower edge of the cap skirt engages the exterior of the spout so that the cap cannot be removed without breaking the frangible connection. Various means for detachably securing the fitment to a spud during delivery of the fitment from a chute to the interior of a carton are disclosed. In one modification, the membrane is located approximately midway of the height of the fitment spout. The spud is inserted into the spout below the membrane. In other modifications the membrane is near the bottom of the spout and there are downward projections of the fitment which engage the exterior or interior of the spud. The downward projection may be in the form of a ring, preferably interrupted, or fingers or a stud. The ring or fingers or stud may be on the flange or the membrane. In another modification, when the cap is removed, the flexible post connecting the pull ring to the membrane straightens, popping the ring outward so that it may conveniently be gripped. In still another modification, a curvilinear score line is formed in the membrane intersecting the line of weakness and the connector is attached at the intersection.

Classifications:

International (IPC 8-9): B31B1/84 B65D17/34 B65D17/347 B65D17/353 B65D25/42 B65D47/10 B65D47/36 B65D5/74

B65D53/00 (Advanced/Invention);

B65D53/00 (Advanced/Non-invention);

B65D17/28 B65D47/00 B65D47/06 B65D5/74

B65D53/00 (Core/Invention)

International (IPC 1-7): B31B1/84 B31B1/90 B31B3/74 B31B3/84 B65B61/18 B65D17/34 B65D17/347 B65D17/353 B65D25/42 B65D43/10 B65D47/10 B65D47/36 B65D5/74 B65D51/20 B65D53/00

CPC: B65B61/186 B65D25/42 B31B50/84 B65D5/746 B65D47/103

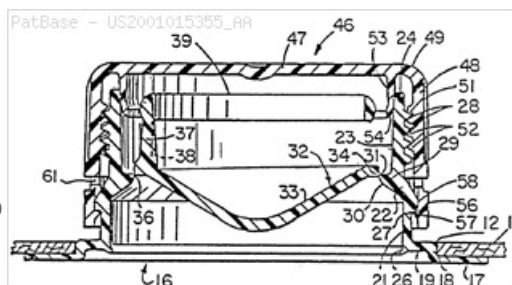
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US: 215/252 215/252S 215/341 215/341S 215/344 215/45 215/45S

220/258 220/258.2 220/258.200P 220/258.5 220/258.500S 220/259 220/259.3 220/259.300S 220/269 229/125.05

229/125.15 229/125.150S 493/87 493/87S 53/133.2 53/133.200S 53/309 53/312 53/312S 53/319



Family:

Publication number	Publication date	Application number	Application date
AT267121 E	20040615	AT19960903515T	19960116
AT488358 E	20101215	AT19990915175T	19990331
AU199647579 A1	19960821	AU19960047579	19960116
AU199933757 A1	19991025	AU19990033757	19990331
AU200073870 A1	20010213	AU20000073870	20000717
AU200073870 A5	20010213	AU20000073870D	20000717
BRPI9606871 A	19971223	BR1996PI06871	19960116
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CA2326897 C	20080909	CA19992326897	19990331
CN1073952 C	20011031	CN19961091628	19960116
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CN1203987 C	20050601	CN19998005788	19990331
CN1299317 A	20010613	CN19998005788	19990331
DE69632524 D1	20040624	DE19966032524	19960116
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EP1100676 A1	20010523	EP19990915175	19990331
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GB200203992 A0	20020403	GB20020003992	20000717
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JP10513137 T2	19981215	JP19960523563T	19960116
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US2001015355 AA	20010823	US20010844139	20010427
US5810184 A	19980922	US19970808682	19970228
US5915574 A	19990629	US19980121761	19980723
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US6129228 A	20001010	US19990361333	19990726
US6231491 BA	20010515	US20000518115	20000303
US6464096 BB	20021015	US20010844139	20010427
WO0107332 A1	20010201	WO2000US40394	20000717
WO9623699 A1	19960808	WO1996US00583	19960116
WO9951428 A1	19991014	WO1999US07114	19990331

Priority:

US19950380832	19950130	GB19970011000	19960116	WO1996US00583	19960116
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WO1999US07114	19990331	US19990286266	19990405	US19990361333	19990726
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Probable Assignee: PORTOLA PACKAGING INC

Assignee(s): (std): PORTOLA PACKAGING INC

Assignee(s): HELLER FINANCIAL INC ; WAYZATA INVESTMENT PARTNERS LLC ; LUCH DANIEL ; SANDOR LASZLO G ; MOODY RODGER A ; PORTOLA PACKAGING LTD ; PORTOLA PACKAGING INC MEXICO DE CV SA ; PORTOLA LTD ; PORTOLA PACKAGING CANADA LTD ; PORTOLA ALLIED TOOL INC ; PORTOLA TECH INT INC ; WELLS FARGO FOOTHILL LLC AS AGENT ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDI ; WELLS FARGO FOOTHILL LLC AGENT AS ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDIN ; WAYZATA INVESTMENT PARTNERS LLC (AGENT FOR SUBORDINATED CREDITORS) ; WAYZATA INVESTMENT PARTNERS LLC AGENT FOR SUBORDINATED CREDITORS ; ADAMS BRIAN M ; ASESORIA MAXIMA DE CV SA ; CHENAULT RAWSON L ; GENERAL ELECTRIC CAPITAL US AGENT AND CANADIAN AGE ; GENERAL ELECTRIC CAPITAL US AGENT AND CANADIAN AGENT AS CORP ; HELLER FINANCIAL

Inventor(s): (std): ADAMS BRIAN M ; LUCH DANIEL ; MOODY RODGER A ; MOODY ROGER A ; CHENAULT RAWSON L ; SANDOR LASZLO G ; CHENAULT BRIEN M ADAMS RAWSON ; SANDOR LASCLO G ; ADAMS BRIEN M ; ADAMS B W ; LUCH D ; MOODY R A ; BW ADAMS ; RAWSON L CHENAULT ; DANIEL LUCH ; ROGER A MOODY ; BRIAN M ADAMS ; BRIEN M ADAMS ; LASCLO G SANDOR ; BRIEN M ADAMS RAWSON L CHENAULT ; LASZLO G SANDOR ; RA MOODY ; D LUCH ; ADAMS M ; CHENAULT L ; SANDOR G ; MOODY ROGER ; ADAMS BRIAN ; LUCH DANIEL PORTOLA PACK

Inventor(s): MOODY ROGER A PORTOLA PACKAGING INC ; LUCH DANIEL PORTOLA PACKAGING INC ; ADAMS BRIAN M PORTOLA PACKAGING INC ; B W ADAMS ; R A MOODY ; RODGER A MOODY

Agent(s): SMART AND BIGGAR; MCLEISH NICHOLAS ALISTAIR MAXWELL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN 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 NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

41) Family number: 50099642 (US2013213841A)

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Title: STACKABLE CONTAINERS AND ASSOCIATED METHOD FOR THE TRANSPORT OF PLANTS

Abstract: A filling and transport system is provided in which containers are filled with potting mix or similar growing medium at a first location and transported as a transport module to a second location where plants are planted in the growing medium within the pot. The transport module used to transport the containers and closures containing the growing medium are arranged in a sandwich-like arrangement between two or more stabilising plates having respective retaining elements for engaging with either the base of the containers or the top surface of the closures to retain the containers in stacked relationship to one another during transportation by forming a stable transport module. Each closure is provided with a former for forming and maintaining a void or cavity in the growing medium, particularly during transportation so that the containers arrive at the growers with a preformed bore for receiving the plants. The advantage of the planting and transport system is that growers of plants can plant containers more efficiently since the containers arrive at the growers containing the growing medium ready for planting which obviates the need for the grower to fill the containers on site and form a void before planting.

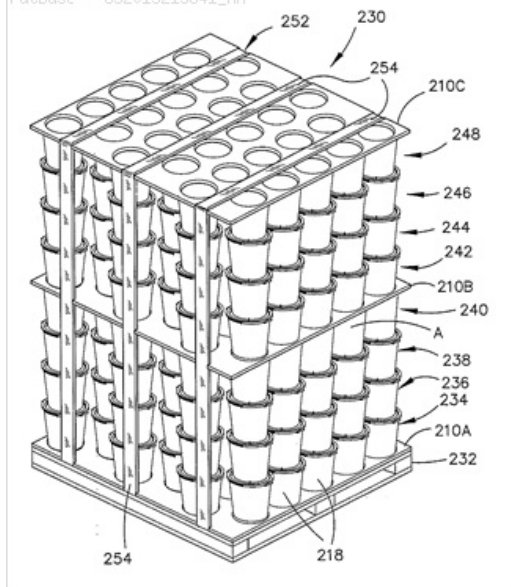
Classifications:

International (IPC 8-9): A01G9/02 B65D19/38 B65D21/02 B65D21/028 B65D21/032 B65D21/036 B65D21/04 B65D43/03 B65D51/28 B65G57/02 B67B7/00 (Advanced/Invention)
CPC: B65D21/023 B65D19/38 B65G57/02 A01G9/081 A01G9/088 B65D21/0201 B65D21/0217 B65D21/0235 B65D43/0218 B65D51/26 B65D51/28 B65D71/0096 B65D71/04 B65D71/70 B65D2543/00027 B65D2543/00092 B65D2543/00296 B65D2543/00342 B65D2543/00407 B65D2543/00509 B65D2543/00537 B65D2543/00555

European: A01G9/08B A01G9/08F B65D21/02B B65D21/02H B65D43/02S5B B65D51/26 B65D71/00P1A B65D71/04 B65D71/70 L65D543/00Y1A L65D543/00Y1F2C L65D543/00Y1M6 L65D543/00Y2 L65D543/00Y2K1 L65D543/00Y8D1C L65D543/00Y8D3 L65D543/00Y8D5

US: 206/386 206/509 414/802

PatBase - US2013213841_AA

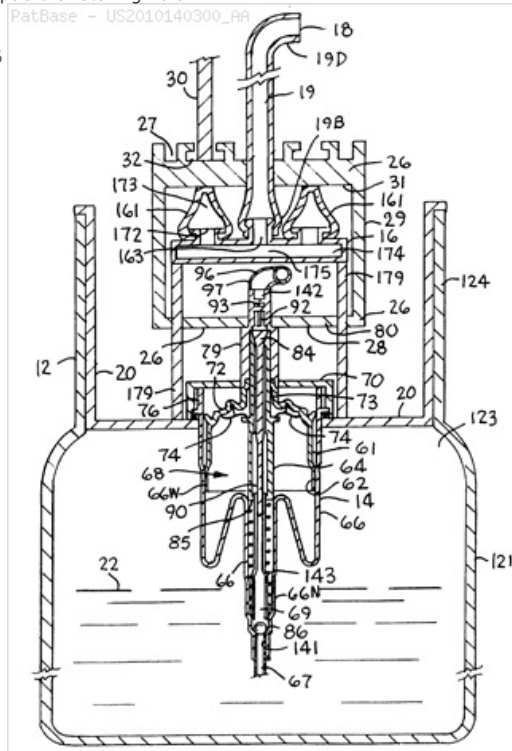


Family:

Publication number	Publication date	Application number	Application date
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AU2011264410 BB	20150423	AU20110264410	20110527
CA2801942 AA	20121207	CA20112801942	20110527
DE602011019672 D1	20151022	DE201160019672T	20110527
EP2575426 A1	20130410	EP20110791740	20110527
EP2575426 A4	20130410	EP20110791740	20110527
EP2575426 B1	20150909	EP20110791740	20110527
NZ604577 A	20150130	NZ20110604577	20110527
US2013213841 AA	20130822	US20110702251	20110527
WO11153577 A1	20111215	WO2011AU00638	20110527

Priority:AU20100902483 20100607
WO2011AU00638 20110527AU20100902610 20100615
AU20110264410 20110527AU20110900524 20110216
EP20110791740 20110527**Probable Assignee:** DEBCO PTY LTD**Assignee(s):** (std): AUSTRALIAN GROWING SOLUTIONS PTY LTD ; DEBCO PTY LTD ; WARD DAVID GLENN**Assignee(s):** AUSTRALIAN GROWING SOLUTIONS PTY LTD TYABB**Inventor(s):** (std): WARD DAVID GLENN**Agent(s):** GRIFFITH HACK; FASKEN MARTINEAU DUMOULIN LLP; KILBURN AND STRODE LLP; COHAUSZ AND FLORACK**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**42) Family number: 45170643** (US2010140300A)

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Title: ANTI DRIP FLUID DISPENSER**Abstract:** The present invention provides a dispenser for dispensing a fluid which has an anti-drip feature. To achieve this anti-drip feature, the dispenser is provided with a suck back mechanism which is separate and independent from a pump in the dispenser. The suck back mechanism uses a resilient member capable of storing fluid.**Classifications:****International (IPC 8-9):** A47K5/12 B05B11/00 B65D37/00 B65D47/20 B65D47/34 B65D47/40 B65D5/72 B65D83/00 B65D83/76 B65D88/54 B67D7/76 (Advanced/Invention); B05B11/00 B65D47/34 B65D47/40 B65D83/76 G01F13/00 (Advanced/Non-invention); B05B11/00 B65D47/00 B65D47/34 B65D83/76 B65D88/00 (Core/Invention)**International (IPC 1-7):** B05B11/00 B65D47/34 B65D47/40 B65D83/76**CPC:** B65D47/40 B05B11/00 B05B11/0029 B65D47/00 B65D83/00 B65D83/0061 B65D83/44 B67D1/16 A47K5/1205 B05B11/3001 B05B11/3097**European:** A47K5/12C1A B05B11/30C B05B11/30T**US:** 222/190 222/207 222/321.3 222/321.300P 222/571**Family:**

Publication number	Publication date	Application number	Application date
AU2009325981 AA	20100617	AU20090325981	20091119
AU2009325981 BB	20151217	AU20090325981	20091119
BRPI0916077 A2	20151110	BR2009PI16077	20091119
BRPI0916077 B1	20190409	BR2009PI16077	20091119
CA2742904 AA	20100617	CA20092742904	20091119
CA2742904 C	20171024	CA20092742904	20091119
CN102216168 A	20111012	CN200980146069	20091119
CN102216168 B	20130710	CN200980146069	20091119
EP2358605 A2	20110824	EP20090831546	20091119
EP2358605 A4	20121107	EP20090831546	20091119
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ES2621803 T3	20170705	ES20090831546T	20091119
JP2012510935 T2	20120517	JP20110539126T	20091119
KR101652548 B1	20160830	KR20117012970	20091119
KR20110099240 A	20110907	KR20117012970	20091119
MX2011006114 A1	20110622	MX20110006114	20091119
RU2011127889 A	20130120	RU20110127889	20091119
RU2506211 C2	20140210	RU20110127889	20091119
US2010140300 AA	20100610	US20080329904	20081208
US8113389 BB	20120214	US20080329904	20081208
WO10067226 A2	20100617	WO2009IB55155	20091119
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Priority:

US20080329904 20081208

EP20090831546 20091119

WO2009IB55155 20091119

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; OSPORNE JR CHARLES AGNEW ; LEWIS RICHARD PAUL ; XIE HUOXIAN ; TRAMONTINA PAUL FRANCIS ; KIMBERLY CLARK WORLDWIDE INC ; OSBORNE JR CHARLES AGNEW ; GUO YUTAI ; HALLS MALCOLM C ; KIMBERLY CLARK CORP

Assignee(s): KIMBERLI KLARK VORLVAJD INK ; OSBORNE CHARLES AGNEW JR

Inventor(s): (std): OSBORNE JR CHARLES AGNEW ; TREHMONTINA POL FREHNSIS ; L JUIS RICHARD POL ; KHOLLS MALKOLM K ; KSIE KHUOKSIAN ; GUO JUTAI ; OSBORN DZHR CHARL Z EHGJNU ; OSBORNE JR ; TRAMONTINA PAUL ; HALLS MALCOLM ; LEWIS RICHARD ; FRANCIS TRAMONTINA PAUL ; HUOXIAN XIE ; AGNEW OSBORNE JR CHARLES ; YUTAI GUO ; PAUL LEWIS RICHARD ; OSBORNE CHARLES AGNEW JR ; RICHARD PAUL LEWIS ; PAUL FRANCIS TRAMONTINA ; CHARLES AGNEW OSBORNE JR ; MALCOLM C HALLS ; GUO YUTAI ; HALLS MALCOLM C ; TRAMONTINA PAUL FRANCIS ; XIE HUOXIAN ; LEWIS RICHARD PAUL ; OSPORNE JR CHARLES AGNEW

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; DAVIES CHRISTOPHER ROBERT; DURAN LUIS ALFONSO; OSHIMA AND PARTNERS; KIMBERLY CLARK WORLDWIDE INC TARA POHLKOTTE; NANCY M; RALPH H; DEAN RALPH H 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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

43) Family number: 7494680 (US4163505A)

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Title: Foldable liners for fluids holding storage tanks

Abstract: A polyhedral shaped liner, mounted vertically inside a cylindrical storage tank, is fixed to the inner top of the tank.

Classifications:

International (IPC 8-9): B65D90/38 (Advanced/Invention);

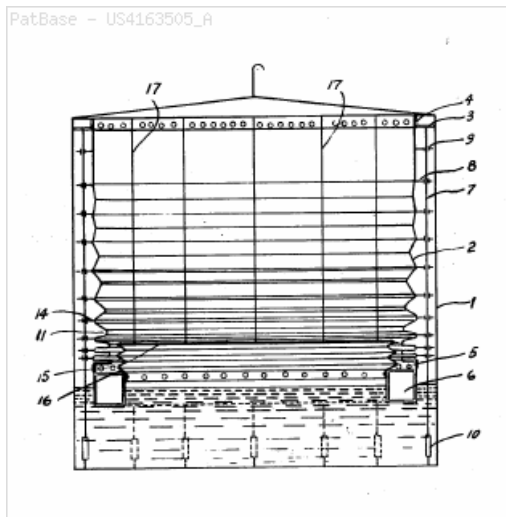
B65D90/22 (Core/Invention)

International (IPC 1-7): B65D88/34 B65D89/04 B65D89/16

CPC: B65D90/38

European: B65D90/38

US: 220/216 220/721 220/85B 48/176



Family:

Publication number	Publication date	Application number	Application date
US4163505 A	19790807	US19770836034	19770923

Priority:

US19770836034 19770923

Probable Assignee: GUNTHER ARNOLD

Assignee(s): (std): GUNTHER ARNOLD

Inventor(s): (std): GUNTHER ARNOLD

44) Family number: 34068688 (US2007000935A)

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Title: DISPENSER FOR WEB MATERIAL

Abstract: A container for dispensing selected portions of a web material and a method of making such a container. The container is arranged to contain the web material and has an opening through which the web material can be led out of the container. A track is positioned such that web material led out of the container through the opening can be laid across the track. A cutter is capable of sliding along the track and of cutting web material laid across the track. At least in a packaged configuration for shipping, the track and cutter do not extend beyond an outline of the container.

Classifications:

International (IPC 8-9): B26D1/04 B65D25/52 B65D5/72 B65D55/00

B65D83/00 B65D83/08 B65D85/67 B65D85/671 B65H1/00

B65H35/04 B65H75/32 (Advanced/Invention);

B26D1/01 B65D25/38 B65D5/72 B65D55/00 B65D83/00 B65D83/08

B65D85/67 B65H1/00 B65H35/04 B65H75/18 (Core/Invention)

CPC: B26D1/045 B26F3/02 B65D83/0841 B65D83/0882 B65H16/005

B65H35/002 B65H35/0086 B65H35/04 B65H2301/51512

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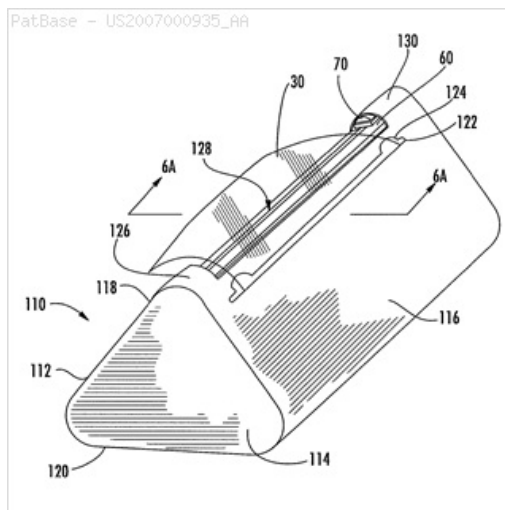
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L65H301/51512 L65H301/5154 L65H351/512 L65H403/941

L65H701/1752

**Family:**

Publication number	Publication date	Application number	Application date
AU2006202481 AA	20070104	AU20060202481	20060609
CA2549807 AA	20061206	CA20062549807	20060608
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EP1741641 A1	20070110	EP20060252976	20060609
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EP1845034 A2	20071017	EP20070014426	20060609
EP1845034 A3	20071024	EP20070014426	20060609
EP1845035 A2	20071017	EP20070014427	20060609
EP1845035 A3	20071024	EP20070014427	20060609
EP1847477 A1	20071024	EP20070014425	20060609
US2007000935 AA	20070104	US20060422961	20060608
US7603937 BB	20091020	US20060422961	20060608

Priority:

US20050689177P 20050606 US20050689177P 20050610 US20050717076P 20050914
 CA20062549807 20060608 US20060422961 20060608 EP20060252976 20060609

Probable Assignee: VEGLIANTE PAUL**Assignee(s):** (std): SONOCO DEV INC ; SONOCO DEVELOPMENT INC**Assignee(s):** VEGLIANTE PAUL ; DESROSIERS VICTOR J ; PAVLIK RUDOLPH**Inventor(s):** (std): PAVLIK RUDOLF ; DESROSIERS VICTOR J ; PAVLIK RUDOLPH ; DESROSIERS VICTOR**Inventor(s):** RUDOLPH PAVLIK ; VICTOR DESROSIERS**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; KINSLER MAUREEN CATHERINE ET AL; ALSTON AND BIRD LLP**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU**45) Family number: 49905711 (US2012048959A)**

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Title: SPRAYER DEVICE WITH AEROSOL FUNCTIONALITY ("FLAIROSOL")

Abstract: In exemplary embodiments of the present invention, Flair(R) based aerosol-type devices can be provided. Such devices utilize a combination of Flair(R) technology, pre-compression valves and aerosol like pressurization of the dispensed liquid. Such a dispensing device has a main body comprising a pressure chamber, the latter being provided with a pressure piston and a pressure spring. The device further has a piston and a piston chamber which draws liquid from a reservoir and fills the pressure chamber with that liquid as a user operates the trigger in various compression and release strokes. The piston chamber has both an inlet valve and an outlet valve. In a dispensing head a valve is provided to regulate the strength of the flow and preclude leakage. Once the liquid is sufficiently pressurized, it can be dispensed by a user opening an activation valve, such as by pressing on an activation button, and spray can be abruptly stopped by a user ceasing to push on such button. Or, for example, in alternate embodiments without an activation button, once the liquid is sufficiently pressurized, continuous spray occurs until the pressure chamber is emptied. By repeatedly pumping the trigger before the pressure chamber is fully emptied, continuous spray can be achieved. By designing the input volume to be amply greater than the volume of the pressure chamber, continuous spray with fewer pumping strokes can be implemented.

Classifications:

International (IPC 8-9): A01G25/09 A62C11/00 B01J4/00 B05B B05B11/00 B05B11/04 B05B7/00 B05B7/04 B05B7/12 B05B7/24 B05B7/32 B05B9/04 B05B9/08 B05C17/01 B65D83/00 B65D83/14 B65D83/22 B65D83/34 B65D83/62 B65D83/70 B65D88/54 B67D B67D3/00 B67D7/58 D01H13/14 D01H13/16 D01H5/00 G01F11/00 (Advanced/Invention); B05B11/00 B65D83/70 (Advanced/Non-invention)

International (IPC 1-7): B05B9/04 B65D83/14

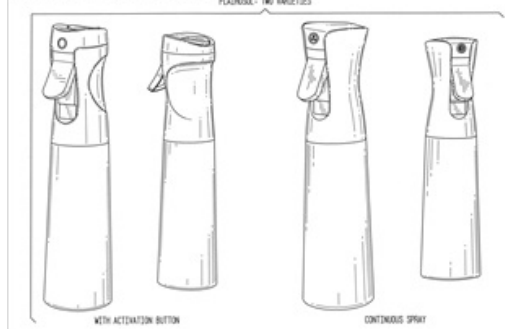
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European: B05B11/00B2F B05B11/00B5A2 B05B11/30C5E2**US:** B05B11/30F5 B05B11/30H6 B05B9/08A2B2**US:** 1/1 222/1 222/153.13 222/1S 222/340 222/341 222/383.1

222/383.100S 222/386.5 222/386.500S 222/401 239/1 239/1P 239/333 239/333S 239/337 239/337S D9/685 D9/689

PatBase - US2012048959_AA

FLAIROSOL - TWO VARIETIES



Family:

Publication number	Publication date	Application number	Application date
AU2011248959 AA	20111110	AU20110248959	20110505
AU2011248959 AA	20130110	AU20110248959	20110505
AU2012253503 AA	20121115	AU20120253503	20120509
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AU2017203729 AA	20170622	AU20170203729	20170602
AU2018200446 AA	20180208	AU20180200446	20180119
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AU2020201143 AA	20200305	AU20200201143	20200218
BR112012028247 A2	20170815	BR20121128247	20110505
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JP2014519969 T2	20140821	JP20140510449T	20120509
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Priority:

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US20120467971	20120509	WO2012US37167	20120509	AU20120312279	20120920
JP20140531983T	20120920	US20120623860	20120920	WO2012US56435	20120920
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Probable Assignee: DISPENSING TECHNOLOGIES BV

Assignee(s): (std): DISPENSING TECHNOLOGIES BV ; HURKMANS PETRUS LAMBERTUS WILHELMUS ; HALEVA AARON S ;

MAAS WILHELMUS JOHANNES JOSEPH ; DISPENSING TECHONOLGIES B V ; NERVO PAOLO ;
DISPENSING TECHONOLGIES BV ; DISPENSING TEKNOLODZHIZ BV ; DISPENSING TECH BV ;
DISPENSING TECHNOLOGIES B V

Assignee(s): NIBC BANK NV

Inventor(s): (std): HURKMANS PETRUS LAMBERTUS WILHELM ; KHJURKMANS PETRUS LAMBERTUS VILKHELMUS ; MAS VILKHELMUS JOKHANNES JOZEF ; KHALEVA AARON S ; HURKMANS PETRUS LAMBERTUS WILLHELMUS ; PETRUS LAMBERTUS WILHELMUS HURKMANS ; AARON HALEVA ; PAOLO NERVO ; PETRUS LAMBERTUS WILHELMUS HURKMANS ; WILHELMUS JOHANNES JOSEPH MAAS ; AARON S HALEVA ; HURKMANS PETRUS LAMBERTUS WILHELMUS ; NERVO PAOLO ; MAAS WILHELMUS JOHANNES JOSEPH ; HALEVA AARON S ; HURKMANS PETRUS LAMBERTUS WILHELMUS ; KHJURKMANS PETRUS LAMBERTUS VILKHELMUS ; MAS VILKHELMUS JOKHANNES JOSEF ; NERVO PAOLO

Inventor(s): WILHELMUS PETRUS LAMBERTUS HURKMANS ; JOSEPH WILHELMUS JOHANNES MAAS

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; LAWRENCE JOHN; YAMAZAKI HIROSHI; TANAKA MITSUO; OHATA YASUSHI; MAEDA ATSUSHI; MAEHORI YOSHIYUKI; YAMADA TAKUJI; YURIDICHESKAYA GORODISSKIY I PARTNERY OOO FA; KRAMER LEVIN NAFTALIS AND FRANKEL LLP; SCHWABE WILLIAMSON AND WYATT PC; PATTERSON AND SHERIDAN LLP; HALEVA AARON S; AARON HALEVA ET AL; HALEVA AARON

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 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 PA PE PG PH PL PT QA RO RS RU RW 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

46) Family number: 32565719 (US2006013512A)

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Title: FOLDABLE BLANK IN USE WITH A BAG MATERIAL FOR SECURING AND RETAINING ARTICLES OF EVIDENCE IN TAMPER-EVIDENT FASHION

Abstract: A tamper-evident evidence bag including a blank having first and second planar shaped and pivotally connected panels. The bag has an open perimeter edge and is secured to first selected facing surfaces of the pivotally connected panels and such that an interior of the bag is communicable through an aperture defined between the panels. The first and second panels are folded from an open position, in which they panels are established in a substantially parallel relationship, to a closed position in which opposingly facing surfaces of are adhered against one another and in order to maintain, in tamper-evident fashion, items placed within the bag enclosure.

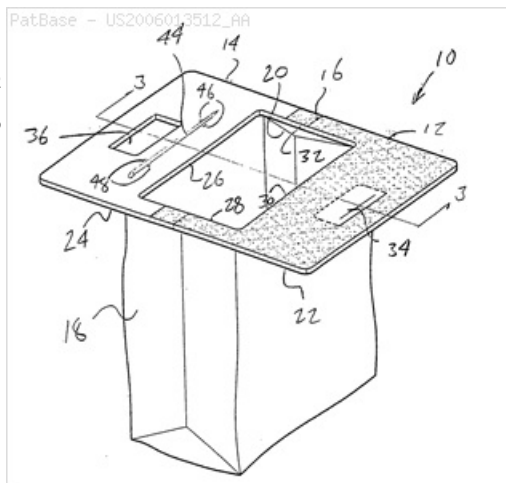
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CPC: B65D33/1691 B65D33/34 B65D75/14 B65D75/20 B65D75/566 B65D85/18 B65D5/46096 B65D5/4204 B65D5/4233 B65D2101/00 G09F3/0341

European: B65D33/16H B65D33/34 B65D5/42B B65D5/42E2 B65D5/46B2A B65D75/14 B65D75/20 B65D75/56C G09F3/03A5 L65D101/00 L65D85/18

US: 206/459.5 206/459.500P 206/554 220/810 220/810S 383/10 383/102 383/102S 383/10S 383/15 383/15S 383/205 383/205S 383/211 383/211S 383/34 383/34S 383/5 383/5P 383/78



Family:

Publication number	Publication date	Application number	Application date
US2006013512 AA	20060119	US20040891347	20040714
US2006072855 AA	20060406	US20050294827	20051206
US2008181538 AA	20080731	US20080023792	20080131
US2009196532 AA	20090806	US20090417253	20090402
US2011210031 AA	20110901	US20110104627	20110510
US8142075 BB	20120327	US20080023792	20080131
US8142076 BB	20120327	US20090417253	20090402
US10099812 BB	20181016	US20110104627	20110510
WO09097629 A2	20090806	WO2009US38899	20090331
WO09097629 A3	20100114	WO2009US38899	20090331
WO09097629 A8	20091119	WO2009US38899	20090331

Priority:

US20040891347 20040714 US20050294827 20051206 US20080023792 20080131
US20090417253 20090402 US20110104627 20110510

Probable Assignee: SHAW RAYMOND R

Assignee(s): (std): SHAW RAYMOND R

Inventor(s): (std): SHAW RAYMOND R

Inventor(s): SHAW RAYMOND

Agent(s): GIFFORD KRASS GROH SPRINKLE AND CITKOWSKI PC; GIFFORD KRASS SPRINKLE ANDERSON AND CITKOWSKI PC; DINSMORE AND SHOHL LLP; MCEVOY DOUGLAS J

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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Self contained evacuation lid

Abstract: Self contained evacuation lid adapted for containers allowing the contents of the container (30) to be stored under a reduced pressure atmosphere after the container (30) has been opened. The evacuation lid forms a closure over the container (30) which incorporates a bellows pump (12) for removing air from container (30). The evacuation lid also includes a air intake valve (14) for venting the container (30) to facilitate the removal of the lid.

Classifications:

International (IPC 8-9): A47G19/22 B65B31/04 B65D43/10 B65D47/34 B65D51/16 B65D81/20 F04B33/00

F04B43/02 (Advanced/Invention);

B65B31/04 B65D43/08 B65D47/34 B65D51/16 B65D81/20 F04B43/02 (Core/Invention)

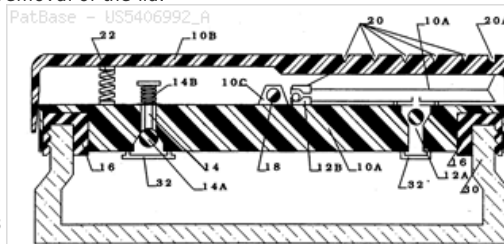
International (IPC 1-7): B65B31/04 B65D43/10 B65D47/34 B65D51/16 B65D51/24 F04B43/02

CPC: Y02W30/807 B65D81/2038 B65D81/20 A47G19/2272

B65B31/047 F04B33/00

European: A47G19/22B12G B65B31/04E1 B65D81/20 B65D81/20B3 F04B33/00

US: 141/64 141/65 215/228 215/262 215/270 220/203.02 220/203.04 220/203.07 220/212 220/231 220/240 220/367.1 417/545 53/88



Family:

Publication number	Publication date	Application number	Application date
AU199524250 A1	19961030	AU19950024250	19950412
US5406992 A	19950418	US19930049005	19930419
US5546997 A	19960820	US19950419193	19950410
US5779082 A	19980714	US19960699159	19960816
WO9632336 A1	19961017	WO1995US04802	19950412

Priority:

US19930049005 19930419 US19950419193 19950410 WO1995US04802 19950412
US19960699159 19960816

Probable Assignee: INVENTAL LABORATORY INC

Assignee(s): (std): INVENTAL LAB INC ; STUEBING JEFF

Assignee(s): STUEBING JEFFREY M ; INVENTAL LABORATORY INC

Inventor(s): (std): MIRAMON ERIC J

Inventor(s): ERIC J MIRAMON

Designated states: AT AU BE BR BY CA CH CN CZ DE DK EE ES FI FR GB GE GR HU IE IT JP KG KR KZ LT LU LV MC MD MX NL NO NZ PL PT RU SE SI SK TJ UA UZ

Title: FLUID DISPENSER

Abstract: A fluid dispenser (100; 200; 300; 400) for dispensing a fluid in liquid or in powder form, said dispenser including a reservoir (12) serving to contain fluid, and a dispensing orifice (114; 214; 314; 414) via which the fluid is dispensed, said reservoir (12) having an actuating wall (111; 211; 311; 411) and a backing wall (112; 212; 312; 412), said walls be adapted to be brought towards each other by elastic deformation to reduce the volume of the reservoir, and thus to deliver fluid through the dispensing orifice, said dispenser further comprising a one-piece body (110; 210; 310; 410) and of at least one flexible sealing film (120; 220; 320; 421; 422), the actuating wall and the backing wall being formed by the one-piece body, characterized in that the actuating wall and the backing wall are angularly positioned relative to each by forming an angle that decreases when they are brought towards each other.

Classifications:

International (IPC 8-9): A45D37/00 A61M15/00 B65D37/00

B65D83/00 B65D83/06 B65D83/76 (Advanced/Invention);

A45D34/04 A45D40/00 B05B11/04 B05B11/06 (Advanced/Non-invention);

A45D37/00 A61M15/00 B65D37/00 B65D83/00 B65D83/06

B65D83/76 (Core/Invention);

A45D34/04 A45D40/00 B05B11/04 B05B11/06 (Core/Non-invention)

International (IPC 1-7): A45D40/00 A61M15/00 B05B11/04

B65D37/00 B65D83/00 B65D83/06 B65D83/76

CPC: A45D37/00 A45D40/0087 A45D2200/057 A61M15/0028

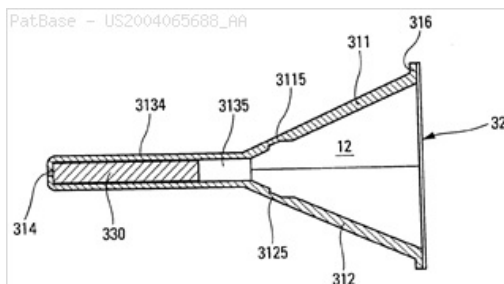
A61M2202/064 A61M2205/075 B05B11/043 B05B11/068

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K45D200/05H6 K45D34/04S K45D40/00S K61M202/06B K61M205/07A2 L05B11/04D1 L05B11/06C

US: 222/206 222/215



Family:

Publication number	Publication date	Application number	Application date
BRPI0313741 A	20050712	BR2003PI13741	20030812
CN1678505 A	20051005	CN20038020023	20030812
DE60303963 D1	20060504	DE20036003963	20030812
DE60303963 D1	20060504	DE20036003963T	20030812
DE60303963 T2	20061207	DE20036003963T	20030812
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EP1549565 B1	20060308	EP20030792446	20030812
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FR2843739 A1	20040227	FR20020010550	20020823
FR2843739 B1	20060210	FR20020010550	20020823

JP2005536407 T2	20051202	JP20040530295T	20030812
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US7216781 BB	20070515	US20030645664	20030822
WO04018320 A2	20040304	WO2003FR02518	20030812
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Priority:

FR20020010550 20020823 US20020427576P 20021120 WO2003FR02518 20030812
US20030645664 20030822

Probable Assignee: APTAR FRANCE SAS

Assignee(s): (std): VALOIS S A S ; VALOIS SA ; VALOIS SAS

Assignee(s): VALOIS S A S LE NEUBOURG ; APTAR FRANCE SAS ; VALOIS S A

Inventor(s): (std): FREDERIC DUQUET ; FIRMIN GARCIA ; ALEX MILIAN ; MILIAN ALEX ; GARCIA FIRMIN ; DUQUET FREDERIC

Agent(s): CAPRI; SUGHRUE MION PLLC

Designated states: AT BE BG BR CH CN CY CZ DE DK EE ES FI FR GB GR HU IE IT JP LU MC NL PT RO SE SI SK TR

49) Family number: 884755 (US3471991A)

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Title: METHOD OF MAKING FILLED AND SEALED PACKAGES

Abstract: ABSTRACT OF THE DISCLOSURE

In the process of the present invention fluent filling material is introduced into a flexible plastic tube that is closed at its lower end, the filled lower end of the tube is introduced into the open upper end of a rigid container, the tube is caused to adhere to the container, the top of the container is folded in to close the upper end thereof and flatten the side walls of the tube together and the tube is then sealed above said container and cut off. This application is a division of my application Ser. No. 480,632 filed Aug. 18, 1965, now abandoned.

Classifications:

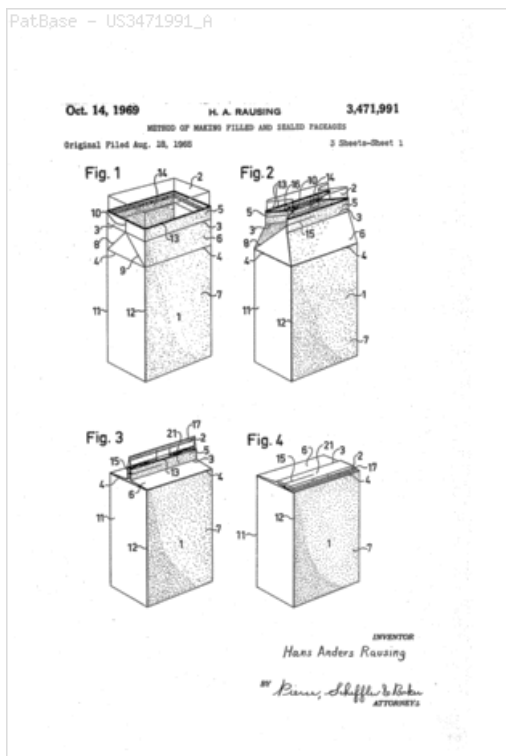
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B65B9/10 (Core/Invention)

International (IPC 1-7): B65B41/18 B65B9/10

CPC: B65B9/20 B65B2220/18 B65D5/065 B65D5/606

European: B65B9/20 B65D5/06C1 B65D5/60B2 L65B220/18

US: 53/27 53/449



Family:

Publication number	Publication date	Application number	Application date
US3471991 A	19691014	US19670632129	19670227

Priority:

US19670632129 19670227

Probable Assignee: TETRA PAK AB

Assignee(s): (std): TETRA PAK AB

Inventor(s): (std): RAUSING HANS ANDERS

Inventor(s): HANS ANDERS RAUSING

50) Family number: 11320775 (US5253785A)

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Title: Variable proportion dispenser

Abstract: A variable proportion dispenser (2b) includes a housing (180) which houses two pharmaceutical cartridges (6b, 7b). A reciprocating drive assembly includes drive stems (36b, 37b) extending from the pistons (46b, 46c) of each cartridge, a sliding body (66b) mounted to the housing, and two one-way drivers (198, 232, 234) and threaded dosage adjusters (60b, 61b) carried by the sliding body. Each one-way driver drives the drive stem into the cartridge through a smooth drive surface to provide a continuous range of dose selections. The user can thus control the amount and proportion of each

pharmaceutical dispensed during each delivery stroke for each dispensing cycle.

Classifications:

International (IPC 8-9): A61M5/178 A61M5/19 A61M5/24 A61M5/31
A61M5/315 B01L3/02 B65D81/32 B65D83/76 B67D7/74
G01F11/02 (Advanced/Invention);
A61M5/50 (Advanced/Non-invention);
A61M5/19 A61M5/24 A61M5/315 B01L3/02
B67D7/74 (Core/Invention);
A61M5/50 (Core/Non-invention)

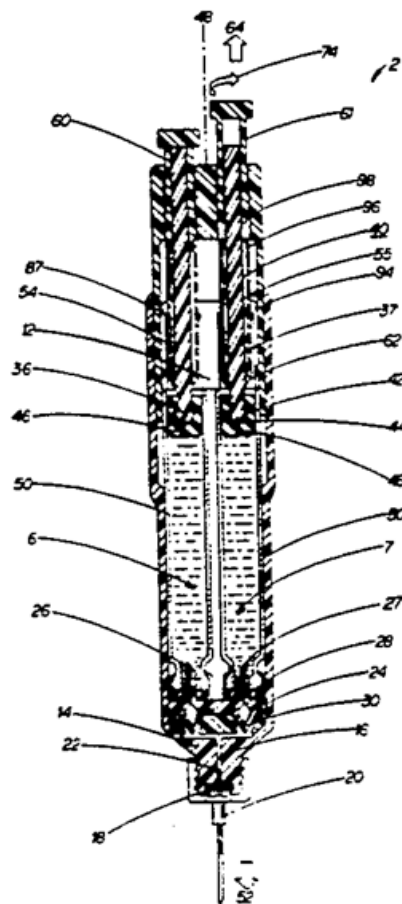
International (IPC 1-7): A61M37/00 A61M5/00 A61M5/178 A61M5/19
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B67D5/56 B67D5/60

CPC: A61M2005/2407 A61M2005/2492 A61M5/31561
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A61M5/31558 A61M5/31563 A61M5/31566 A61M5/3157 A61M5/3158
A61M5/31593 A61M5/502 A61M2005/2411 A61M2005/3128
A61M2205/581 A61M2205/582 B01L3/0234 B65D81/325 G01F11/025
G01F11/027

European: A61M5/19 A61M5/24 A61M5/315E2B1A
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K61M5/24A2 K61M5/24A4 K61M5/24X4 K61M5/315E1 K61M5/315E1B
K61M5/315E1C K61M5/315E2B3G K61M5/315E2B6 K61M5/315F1
K61M5/315F1B K61M5/315F2A1 K61M5/315F3B K61M5/31A9
K61M5/50B2

US: 222/135 222/137 222/145 222/145.1 222/145.7 222/309 222/43
222/46 222/47 604/186 604/191 604/82 604/86

PatBase - US5253785_A



Family:

Publication number	Publication date	Application number	Application date
AT187342 E	19991215	AT19930916441T	19930608
AT188130 E	20000115	AT19930916499T	19930610
CA2138528 AA	19941219	CA19932138528	19930610
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CA2138530 AA	19941219	CA19932138530	19930608
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DE69327464 D1	20000203	DE19936027464	19930610
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Priority:

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WO1993US05598 19930610

Probable Assignee: HABLEY MEDICAL TECHNOLOGY CORP

Assignee(s): (std): FOSTER CLARK B ; HABER TERRY M ; HABLEY MEDICAL TECHNOLOGY CORP ; SMEDLEY WILLIAM H

Assignee(s): HABLEY MEDICAL TECHNOLOGY CORP LAGUNA HILLS

Inventor(s): (std): SMEDLEY WILLIAM ; FOSTER CLARK ; HABER TERRY ; SMEDLEY WILLIAM H ; FOSTER CLARK B ; HABER TERRY M

Agent(s): SMART AND BIGGAR

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

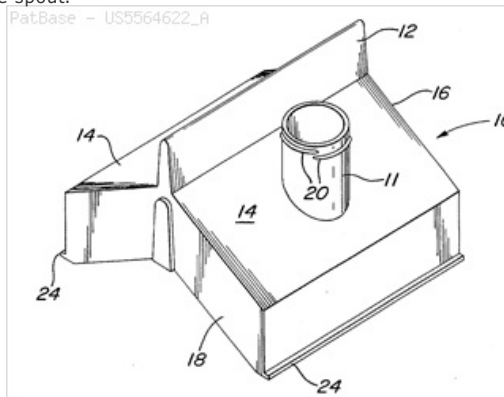
Title: REUSABLE DEVICE HAVING POUR SPOUT FOR CARTONS HAVING GABLE TOPS

Abstract: A closure device for a carton having a gable top. The device comprises a flanged cap including a pair of inner surfaces defining a longitudinal slot. The device further includes inclined side walls extending from the flanged cap and adapted to make a snug fit with the gable top. The device further includes front and rear walls contiguous with the inclined side walls and angled side walls adjacent the inclined side walls extending from the rear wall toward the front wall. The inclined side walls and angled side walls are spaced a distance apart to define a recess. The carton comprises a pair of vertical strips having an upper and lower edge, and inclined sidewalls extending outwardly and downwardly from the lower edge of the vertical strips. The strips have inner and outer surfaces. The inner surfaces of the strips are sealed together along their longitudinal length. The outer surfaces of the strips of the carton are disposed within the longitudinal slot in a confining relationship. The device includes a recloseable pour spout which is in fluid communication with the interior of the container to pour the contents therethrough. The spout includes at its opposite end a puncturing tip to puncture the container to permit the egress of the container contents through the recloseable spout.

Classifications:**International (IPC 8-9):** B65D5/06 B65D5/74

B67B7/86 (Advanced/Invention);

B65D5/02 B65D5/74 (Core/Invention)

International (IPC 1-7): B65D5/74 B67B7/86**CPC:** Y02W30/807 B67B7/26 B65D5/069 B65D5/746**European:** B65D5/06D2 B65D5/74D B67B7/26**US:** 222/81 229/125.04 229/125.42**Family:**

Publication number	Publication date	Application number	Application date
CA2185060 AA	19970316	CA19962185060	19960909
US5564622 A	19961015	US19950529131	19950915

Priority:

US19950529131 19950915 CA19962185060 19960909

Probable Assignee:

WALD HY

Assignee(s): (std):

WALD HY

Inventor(s): (std):

WALD HY

Agent(s):

RIDOUT AND MAYBEE LLP

Title: METHOD AND APPARATUS FOR PROVIDING A POSITIVE PRESSURE IN THE HEADSPACE OF A PLASTIC CONTAINER

Abstract: The present invention is directed to a method and apparatus for accommodating the pressure decrease of the fluid in a hot-filled plastic container.

Classifications:**International (IPC 8-9):** B65D41/32 B65D41/34 B65D51/24

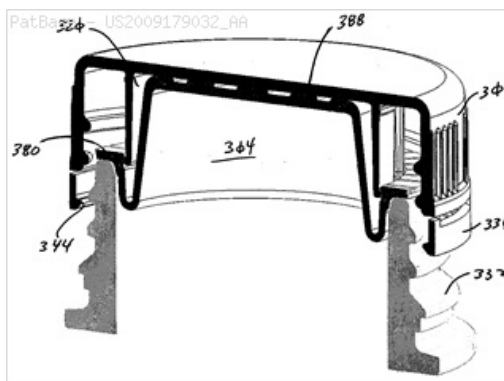
B65D53/00 B65D79/00 (Advanced/Invention);

B65D41/32 B65D41/34 B65D51/24 B65D53/00

B65D79/00 (Core/Invention)

CPC: B65D79/005 B65D41/325 B65D41/34**European:** B65D41/32B B65D41/34 B65D79/00B**US:** 215/214 215/275 215/276 215/349 220/228 220/254.7

220/254.700P 220/254.8 220/254.800S

**Family:**

Publication number	Publication date	Application number	Application date
CA2711072 AA	20100629	CA20092711072	20090109
EP2242702 A1	20101027	EP20090701397	20090109
EP2242702 A4	20120808	EP20090701397	20090109
MX2010007618 A1	20100804	MX20100007618	20090109
US2009179032 AA	20090716	US20090351491	20090109
US8342344 BB	20130101	US20090351491	20090109
WO09089481 A1	20090716	WO2009US30645	20090109

Priority:

US20080020633 20080111 US20080020633P 20080111 US20080105241 20081014
 US20080105241P 20081014 WO2009US30645 20090109 US20090351491 20090109

Probable Assignee: BALL CORP

Assignee(s): (std): AMCOR RIGID PLASTICS USA INC ; BALL CORP ; LIVINGSTON DARREN D

Inventor(s): (std): LIVINGSTON DARREN D

Inventor(s): DARREN D LIVINGSTON

Agent(s): PARLEE MCLAWS LLP; EISENFUEHR SPEISER AND PARTNER; SHERIDAN ROSS PC; MCDERMOTT WILL AND EMERY LLP; KUGLER BRUCE A

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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

53) Family number: 4793794 (US5054631A)

© PatBase

Title: DISPOSABLE BEVERAGE CONTAINERS HAVING INTEGRAL DRINKING STRAWS

Abstract: A one-piece container for potable liquids (e.g., beverages) includes a body portion formed of a plastics material and sized to accommodate a predetermined volume of potable liquid, and a drinking straw in fluid communication with the potable liquid within the body portion. A flexible bellows member interconnects the straw to the body portion so as to allow the straw to be foldable between a stowed position (e.g., during periods of nonuse) and an erected position (e.g., during periods of use). A recess may be formed in the body portion (e.g., in a side wall and/or an upper portion thereof) so as to accommodate the drinking straw in its stowed position. Longitudinal rigidity and stability may be provided by a series of circumferentially spaced-apart ribs integrally formed on the otherwise flexible (and collapsible) body portion.

Classifications:

International (IPC 8-9): A47G21/18 B65D1/02 B65D25/16

B65D77/28 (Advanced/Invention);

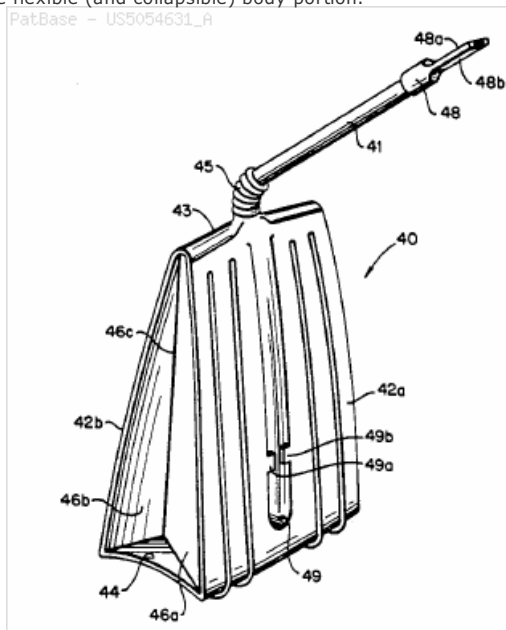
A47G21/00 B65D1/02 B65D25/14 B65D77/24 (Core/Invention)

International (IPC 1-7): B65D1/46 B65D25/46 B65D25/48

CPC: Y10S215/90 Y10S215/902 B65D1/0292 A47G21/18 B65D25/16 B65D77/286

European: A47G21/18 B65D1/02D3 B65D25/16 B65D77/28D

US: 215/1A 215/1C 215/229 215/389 215/900 215/902 220/666 220/710 220/85SP 220/90.2 220/902 222/530 229/103.1



Family:

Publication number	Publication date	Application number	Application date
US5054631 A	19911008	US19890411893	19890925

Priority:

US19890411893 19890925

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

54) Family number: 31765801 (US2004079028A)

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Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is a multi-sided or substantially rectangular shape-sustaining support member having an open or partially open upper end, an open lower end and a peripheral sidewall defining an internal chamber extending between the upper end and the lower end. The sheet of material is extended about a portion of the floral holding material to form a decorative cover and the decorative cover cooperates with the multi-sided or substantially rectangular shape-sustaining support member to define a reservoir for confining a liquid a securing element secures the decorative cover about the multi-sided or substantially rectangular shape-sustaining support member and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

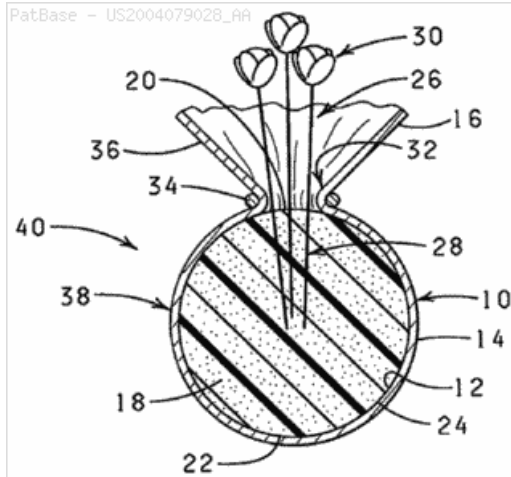
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/72P

**Family:**

Publication number	Publication date	Application number	Application date
US2004079028 AA	20040429	US20030690312	20031021

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20010918320 20010730	US20020170611 20020612	US20030353878 20030128
US20030690312 20031021		

Probable Assignee: SOUTHPAC TRUST INT INC**Assignee(s):** (std): SOUTHPAC TRUST INT INC**Assignee(s):** SOUTHPAC TRUST INTERNATIONAL INC**Inventor(s):** (std): CRAIG FRANKLIN J ; KING MICHEAL J ; KLEMMER MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E**55) Family number: 21326803 (US2216527A)**

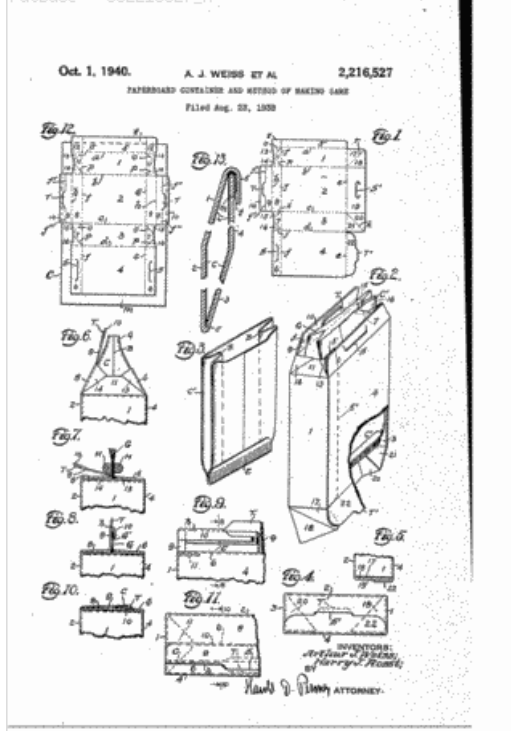
© PatBase

Title: PAPERBOARD CONTAINER AND METHOD OF MAKING SAME

Abstract: 1. A carton comprising opposite panels; an inner and outer flaps foldably joining the panels, the inner flap extending partly across the carton; the outer flap having a fold line within and along the outer margin; an end liner for said carton having a closure portion received between said flaps and against the outer margin of the outer flap; said portion and outer margin being folded along the fold line in a position under the outer flap, at an angle of approximately 90 degrees.

Classifications:**International (IPC 8-9):** B65D5/60 (Advanced/Invention); B65D5/56 (Core/Invention)**International (IPC 1-7):** B31B7/60 B65D5/26 B65D5/56**CPC:** B65D5/60 B65D5/606 Y10S229/905**European:** B65D5/60 B65D5/60B2**US:** 229/117.33 229/117.34 229/155 229/905 493/96

PatBase - US2216527_A

**Family:**

Publication number	Publication date	Application number	Application date
US2216527 A	19401001	US19380226226	19380823

Priority:

US19380226226 19380823

Probable Assignee: ROBERT GAIR CO INC
Assignee(s): (std): ROBERT GAIR CO INC ; ROBERT GAIR COMPANY INC
Inventor(s): (std): ROSSI HARRY J ; WEISS ARTHUR J

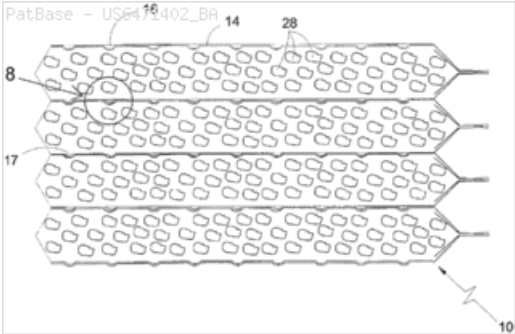
56) Family number: 24110809 (US6471402B) © PatBase

Title: FORMED STACKING ELEMENT INTEGRAL WITH PLASTIC STORAGE BAGS

Abstract: The present invention 10 discloses stackable bag containers 12 having opposing mating rigid planar elements 14, 15 disposed on the interior of the bags contiguous to the walls of the bag 12 having impressed therein interlocking curvilinear grooves 16, 17 extending across the rigid element 14, 15 and terminating spaced away from the periphery edge 20 of the rigid planar element 14, 15. Bag locking device 26 are provided. Embodiments utilizing corrugated walls 30, circular indentions 32 and cross line indentions are also disclosed along with an embodiment providing a sanitary storage bag for use with a conventional flowable product dispenser.

Classifications:

International (ipc 8-9): B65D21/02 B65D33/00 B65D33/06 B65D75/58 (Advanced/Invention); B65D21/02 B65D33/00 B65D33/06 B65D75/52 (Core/Invention)
International (ipc 1-7): B65D3/302 B65D33/02
CPC: B65D21/023 B65D33/005 B65D33/06 B65D75/5872
European: B65D21/02E12 B65D33/00F B65D33/06 B65D75/58G3
US: 206/509 383/119 383/32



Family:

Publication number	Publication date	Application number	Application date
US6471402 BA	20021029	US20010006841	20011105

Priority:

US20010006841 20011105

Probable Assignee: BURNS JEFF
Assignee(s): (std): BURNS JEFF
Inventor(s): (std): BURNS JEFF
Inventor(s): JEFF BURNS
Agent(s): MICHAEL I KROLL

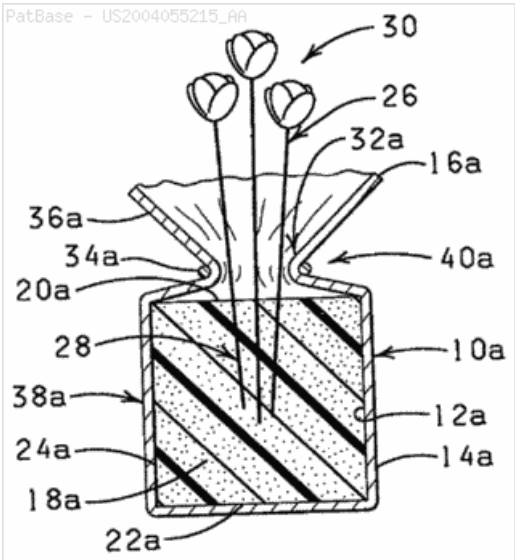
57) Family number: 31765810 (US2004055215A) © PatBase

Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping wherein the decorative assembly includes a floral holding material and a sheet of fluid impermeable material. The floral holding material is a preformed shape-sustaining support member movable between a flattened condition and an expanded condition. A stabilizing member or assembly is connected to the preformed shape-sustaining support member for stabilizing and maintaining the preformed shape-sustaining member in the expanded condition.

Classifications:

International (ipc 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)
International (ipc 1-7): A01G9/02
CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505
European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B
US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2004055215 AA	20040325	US20030674182	20030929

Priority:

US19920941992 19920908 US19950427014 19950424 US19950468178 19950606

US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20000670644 20000927	US20010912217 20010724	US20010918320 20010730
US20020170611 20020612	US20030353878 20030128	US20030449319 20030530
US20030674182 20030929		

Probable Assignee: CRAIG FRANKLIN J

Assignee(s): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

58) Family number: 31765827 (US2004035052A)

© PatBase

Title: DECORATIVE ASSEMBLY FOR SUPPORTING A FLORAL GROUPING

Abstract: A decorative assembly for supporting a floral grouping which includes a floral holding material and a sheet of fluid impermeable material. The floral holding material is a preformed shape-sustaining support member, which is selectively movable between an expanded condition and a flattened condition, is provided with a stabilizing assembly for stabilizing the preformed shape-sustaining support member in the expanded condition.

Classifications:

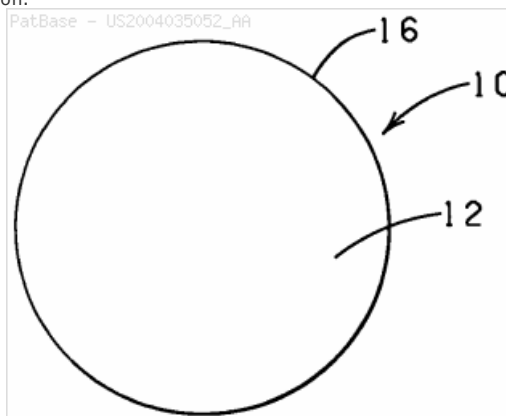
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International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2004035052 AA	20040226	US20030650374	20030828
US6868636 BB	20050322	US20030650374	20030828

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20000670644 20000927	US20010912217 20010724	US20010918320 20010730
US20020170611 20020612	US20030353878 20030128	US20030447601 20030529
US20030650374 20030828		

Probable Assignee: WEDER WANDA M

Assignee(s): (std): STRAETER WILLIAM F ; WEDER WANDA M

Assignee(s): WEDER DONALD E ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; ANTARES CAPITAL AGENT AS CORP ; ANTARES CAPITAL CORP ; CARRAND COMPANIES INC ; CRAIG FRANKLIN J ; HOPKINS MFG CORP ; KING MICHAEL J

Inventor(s): (std): WEDER DONALD E ; STRAETER WILLIAM F ; STRAETER JOSEPH G ; KING MICHAEL J ; CRAIG FRANKLIN J ; KLEMME MICHAEL R

59) Family number: 31765835 (US2004025432A)

© PatBase

Title: DECORATIVE ASSEMBLY FOR SUPPORTING A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is a shape-sustaining support member having an open upper end, an open lower end and a peripheral sidewall defining an internal chamber extending between the open upper end and the open lower end. A plurality of apertures are provided in the peripheral sidewall of the floral holding material, each aperture adapted to receive a stem portion of a floral grouping. The sheet of material is extended about a portion of the floral holding material to form a decorative cover and the decorative cover cooperates with the shape-sustaining support member to define a reservoir for confining a liquid and a securing element secures the decorative cover about the shape-sustaining support member to hold the decorative cover about the floral holding material.

Classifications:

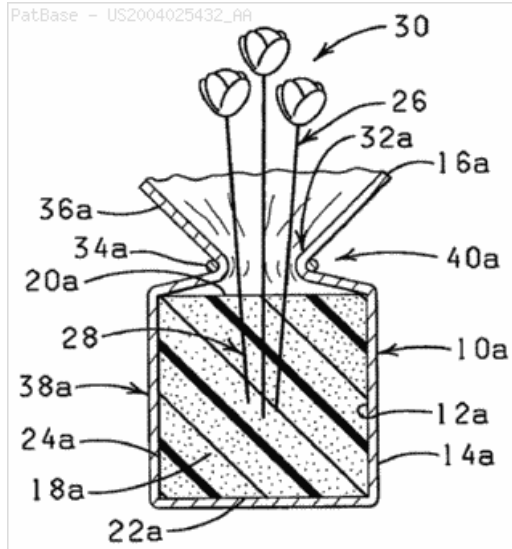
International (IPC 8-9): A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505

European: A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B

US: 47/72 47/72P

**Family:**

Publication number	Publication date	Application number	Application date
US2004025432 AA	20040212	US20030613690	20030703

Priority:

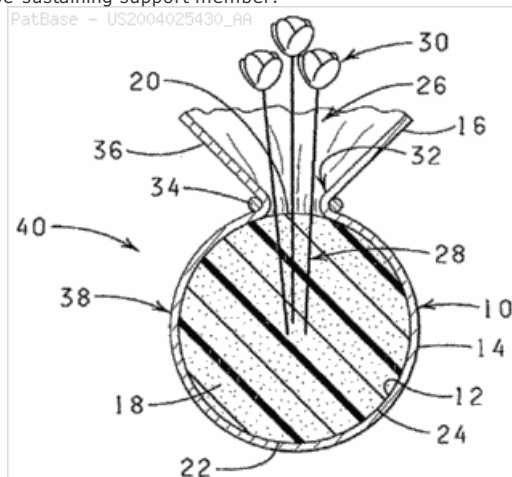
US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
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US20020170611 20020612	US20030353878 20030128	US20030613690 20030703

Probable Assignee: CRAIG FRANKLIN J**Assignee(s):** CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E**Inventor(s):** (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E**60) Family number: 31765836** (US2004025430A)

© PatBase

Title: FLEXIBLE VASE

Abstract: A decorative assembly having a shape-sustaining support member and a decorative cover. The shape-sustaining support member defines an internal chamber and has a plurality of pleats extending from an open upper end and terminating a distance from an open lower end thereof. The shape-sustaining support member is constructed of a semi-circular sheet of flexible material having a plurality of score lines extending radially from a centrally disposed recess. When the sheet of flexible material is formed into the shape-sustaining support member, the score lines assist the formation of the pleats. The decorative cover is formed from a sheet of fluid impermeable material disposed about the shape-sustaining support member. The decorative cover cooperates with the internal chamber of the shape-sustaining support member to define a reservoir for confining liquid when the decorative cover is disposed about the shape-sustaining support member.

Classifications:**International (IPC 8-9):** A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)**International (IPC 1-7):** A01G9/02**CPC:** A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505**European:** A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B**US:** 47/72 47/72P**Family:**

Publication number	Publication date	Application number	Application date
US2004025430 AA	20040212	US20030443270	20030521

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20010918320 20010730	US20020170611 20020612	US20030353878 20030128
US20030443270 20030521		

Probable Assignee: CRAIG FRANKLIN J**Assignee(s):** CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMME MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

61) Family number: 33587840 (US2009212071A)

Title: MATERIAL STORAGE AND DISPENSING PACKAGES AND METHODS

Abstract: Packages and methods for storage and dispensing of materials, e.g., high purity liquid reagents and chemical mechanical polishing compositions used in the manufacture of microelectronic device products, including containment structures and methods adapted for pressure-dispensing of high-purity liquids. Liner packaging of liquid or liquid-containing media is described, in which zero or near-zero head space conformations are employed to minimize adverse effects of particle generation, formation of bubbles and degradation of contained material.

Classifications:

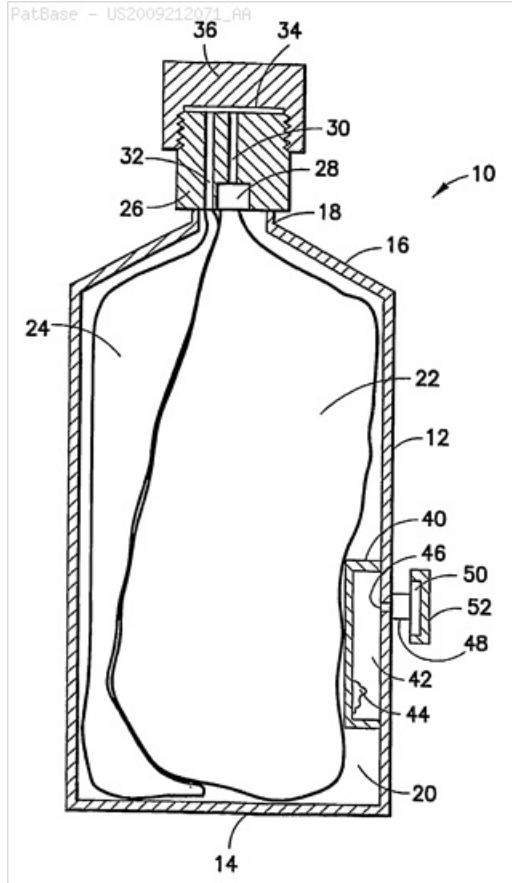
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B0114/02 B32B27/32 B32B27/34 B32B3/26 B65B3/00 B65B3/10
B65B31/00 B65D33/00 B65D35/28 B65D37/00 B65D65/40
B65D77/04 B65D81/00 B65D81/18 B65D81/20 B65D83/00
B65D83/62 B67C3/00 B67C9/00 B67D3/00 B67D5/00 B67D5/06
B67D7/06 B67D99/00 G01F23/18 (Advanced/Invention);
B0114/00 B0114/02 B65B3/00 B67D3/00 H01L21/205
H01L21/306 (Advanced/Non-invention);
B0114/00 B0114/02 B65B3/00 B65D65/40 B65D77/04 B65D83/00
B65D83/60 B67D99/00 (Core/Invention);
H01L21/02 (Core/Non-invention)

International (IPC 1-7): B01J14/00

CPIC: B65D33/00 B65B31/003 B65D83/0061 Y10T428/31757
B01J2219/00065 B01J2219/00067 B01J2219/00069 B01J2219/00164
B01J4/02 G01F23/18 Y10T428/249981 B65D83/62

European: B01J4/02 B65B31/00A B65D83/00B1 L01J219/00B2B2D
L01J219/00B2B2F L01J219/00B2B2H L01J219/00B6

US: 1/1 141/18 141/21 141/95 222/1 222/105 222/105S 222/1S
222/23 222/23P 222/26 222/386.5 222/394 222/394S 222/40 222/65
222/66 222/95 222/95P 383/109 428/220 428/220S 428/316.6
428/316.600S 428/476.9 428/476.900S



Family:

Publication number	Publication date	Application number	Application date
CN101208255 A	20080625	CN200680022738	20060425
CN101208255 B	20130306	CN200680022738	20060425
CN101208256 A	20080625	CN200680022747	20060425
CN101208256 B	20130918	CN200680022747	20060425
CN102423665 A	20120425	CN201110233868	20060425
CN102423665 B	20150415	CN201110233868	20060425
CN103010595 A	20130403	CN201210477720	20060425
CN103010595 B	20150114	CN201210477720	20060425
DE602006048788 D1	20160602	DE200660048788T	20060425
EP1877310 A2	20080116	EP20060758572	20060425
EP1879829 A2	20080123	EP20060751605	20060425
EP1879829 A4	20110119	EP20060751605	20060425
EP1879829 B1	20160420	EP20060751605	20060425
EP3006102 A1	20160413	EP20150193134	20060425
IN04095KN2007 A	20090102	IN2007KN04095	20071025
JP2008539078 T2	20081113	JP20080509107T	20060425
JP2008539145 T2	20081113	JP20080509038T	20060425
JP2012143756 A2	20120802	JP20120048521	20120305
JP2015157286 A2	20150903	JP20150084211	20150416
JP2015163401 A2	20150910	JP20150084212	20150416
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US9802749 BB	20171031	US20150688778	20150416
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WO06116572 A3	20071206	WO2006US15964	20060425

Priority:

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US20090912613	20090903	US20120667182	20121102	US20130854882	20130401
US20140550401	20141121	JP20150084211	20150416	JP20150084212	20150416
US20150688778	20150416				

Probable Assignee: ADVANCED TECHNOLOGY MATERIALS INC

Assignee(s): (std): ADVANCED TECH MATERIALS ; ALBERG MICHELE ; O DOUGHERTY KEVIN T ; MIKKELSEN KIRK ; KINGERY JOHN R ; MENNING JOSEPH ; ENTEGRIS INC ; HOVINEN MINNA ; TOM GLENN M ; YAN HONGWEI ; TOKYO ELECTRON LTD ; VAN BUSKIRK PETER C ; WARE DONALD D

Assignee(s): POCO GRAPHITE INC ; TOKYO ELECTRON LIMITED ; ATMI PACKAGING INC ; GOLDMAN SACHS BANK USA ; MORGAN STANLEY SENIOR FUNDING INC ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; ATMI INC ; ADVANCED TECHNOLOGY MATERIALS INC ; ADVANCED TECHNOLOGY MATERIALS INC DANBURY

Inventor(s): (std): OLSON PATRICK M ; HOYT TIM ; VAN BUSKIRK PETER C ; DONALD D WARE ; MINNA HOVINEN ; BUSKIRK PETER C VAN ; WARE DONALD D ; HOVINEN MINNA ; PETER C VAN BUSKIRK ; KEVIN T O DOUGHERTY ; JOHN R KINGERY ; GLENN M TOM ; ALBERG MICHELE J ; MENNING JOSEPH P ; HOYT TIMOTHY ; JOE MENNING ; YAN HONG WEI ; MIKKELSEN KIRK ; YAN HONGWEI ; KINGERY JOHN R ; TOM GLENN M ; MENNING JOSEPH ; ALBERG MICHELE ; O DOUGHERTY KEVIN T ; MICHELE ALBERG ; HONGWEI YAN ; JOSEPH MENNING ; KIRK MIKKELSEN ; OAEDOUGHERTY KEVIN T

Inventor(s): VAN BUSHKIRK PETER C ; ALBERG MICHELE AND ; O'DOUGHERTY KEVIN T ; MICHELE J ALBERG ; JOSEPH P MENNING ; WARE DONALD D ST PAUL ; MIKKELSEN KIRK CARVER ; HOVINEN MINNA EDINA ; TOM GLENN M BLOOMINGTON ; O DOUGHERTY KEVIN T ARDEN HILLS ; KINGERY JOHN R EDEN PRAIRIE ; VAN BUSKIRK PETER C NEWTOWN

Agent(s): ABG PATENTES SL; INABA YOSHIYUKI; OHGA SHINJI; VIERING JENTSCHURA AND PARTNER LLP; INTELLECTUAL PROPERTY / TECHNOLOGY LAW; INTELLECTUAL PROPERTY TECHNOLOGY LAW; VINCENT K; JENKINS WILSON TAYLOR AND HUNT PA; CHRISTENSEN FONDER PA

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 KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

62) Family number: 33587861 (WO06116428A2)

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Title: APPARATUS AND PROCESS FOR STORAGE AND DISPENSING OF CHEMICAL REAGENTS AND COMPOSITIONS

Abstract: A fluid storage and dispensing package, including a rigid overpack defining an interior volume, a liner disposed in the interior volume of the overpack to hold liquid medium, and a positional fixation structure arranged to restrain movement of the liner when holding liquid medium, wherein the positional fixation structure is not in contact with liquid medium when liquid medium is contained in the liner. Such package, and associated packaging method, preferably involves zero-headspace containment of the liquid or liquid-containing material, and is particularly advantageous in application to storage and dispensing of film-forming colloidal silica-based chemical mechanical polishing (CMP) compositions, with respect to suppressing the presence of microbubbles and unwanted particles.

Classifications:

International (IPC 8-9): B01J14/00 B01L9/00 B65D35/22 B65D77/04 B65D83/00 (Advanced/Invention);

B01J14/00 B01L9/00 (Advanced/Non-invention);

B01J14/00 B01L9/00 B65D77/04 B65D83/00 (Core/Invention)

CPC: B65D77/06 B65D81/052 B65D81/07 B67D7/0261

European: B65D77/06 B65D81/05A1 B65D81/07 B67D7/02E4B

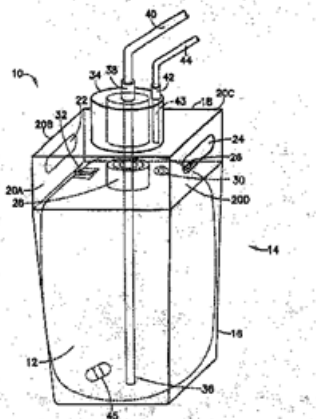


FIG.1

3/5

Family:

Publication number	Publication date	Application number	Application date
JP2008539146 T2	20081113	JP20080509050T	20060425
KR20080009136 A	20080124	KR20077027405	20071123
TW200706237 A	20070216	TW20060114666	20060425
WO06116428 A2	20061102	WO2006US15679	20060425
WO06116428 A3	20071129	WO2006US15679	20060425

Priority:

US20050674577P 20050425 WO2006US15679 20060425

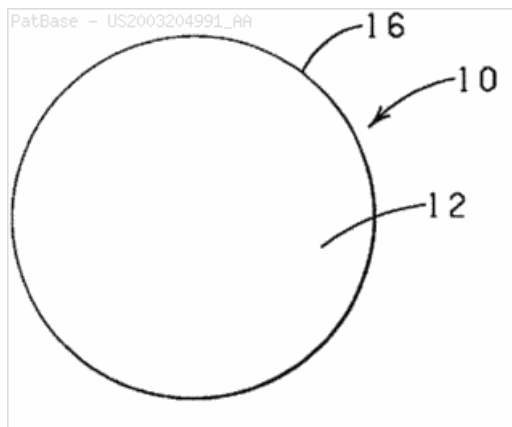
Probable Assignee: ADVANCED TECH MATERIALS**Assignee(s):** (std): BAUM THOMAS H ; BERNHARD DAVID ; HOVINEN MINNA ; O DOUGHERTY KEVIN T ; MIKKELSEN KIRK ; WANG WEIHUA ; YAN HONGWEI ; MLYNAR GREG ; TOM GLENN M ; ADVANCED TECH MATERIALS**Assignee(s):** ADVANCED TECHNOLOGY MATERIALS INC**Inventor(s):** (std): O DOUGHERTY KEVIN T ; MIKKELSEN KIRK ; HOVINEN MINNA ; BERNHARD DAVID ; WANG WEIHUA ; YAN HONGWEI ; BAUM THOMAS H ; MLYNAR GREG ; TOM GLENN M ; WANG WEI HUA ; MINNA HOVINEN ; KEVIN T O DOUGHERTY ; GLENN M TOM ; HONGWEI YAN**Agent(s):** INABA YOSHIYUKI; OHGA SHINJI**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 KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**63) Family number: 31765865** (US2003204991A)

© PatBase

Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping which includes a floral holding material and a sheet of fluid impermeable material disposed about the floral holding material. The floral holding material is a preformed shape-sustaining support member which is moveable between an expanded condition and a flattened condition. In the expanded condition the preformed shape-sustaining support member as an open upper end, an open lower end, a peripheral sidewall defining an internal chamber-extending between the open upper end and the open lower end thereof and a groove disposed circumferentially about the peripheral sidewall. The peripheral sidewall is provided with creases to facilitate movement of the preformed shape-sustaining support member between the expanding condition and the flattened condition. To stabilize the preformed shape-sustaining support member in the expanded condition, a stabilizing member is positioned within the groove formed in the peripheral sidewall of the preformed shape-sustaining support member for stabilizing and maintaining the preformed shape-sustaining support member in the expanded condition. A securing element is employed to secure the decorative cover formed from the sheet of fluid impermeable material about the preformed shape-sustaining support member.

Classifications:**International (IPC 8-9):** A01G5/04 A47G7/06 A47G7/08 B65B25/02 B65D65/14 B65D85/50 (Advanced/Invention)**International (IPC 1-7):** A01G9/02**CPC:** A01G5/04 A47G7/063 A47G7/085 B65B25/023 B65D65/14 B65D85/505**European:** A01G5/04 A47G7/06F A47G7/08S B65B25/02B B65D65/14 B65D85/50B**US:** 47/72 47/720 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003204991 AA	20031106	US20030457590	20030609
US6904716 BB	20050614	US20030457590	20030609

Priority:

US19920941992 19920908	US19950427014 19950424	US19950468178 19950606
US19970827852 19970411	US19990333333 19990615	US20000576789 20000523
US20000670644 20000927	US20010912217 20010724	US20010918320 20010730
US20020170611 20020612	US20030353878 20030128	US20030457590 20030609

Probable Assignee: WEDER WANDA M

Assignee(s): (std): STRAETER JOSEPH G ; STRAETER WILLIAM F

Assignee(s): WEDER WANDA M ; CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMM MICHAEL R ; WEDER DONALD E

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMM MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Agent(s): DUNLAP CODDING AND ROGERS PC

64) Family number: 31765875 (US2003192244A)

© PatBase

Title: DECORATIVE ASSEMBLY FOR A FLORAL GROUPING

Abstract: A decorative assembly for a floral grouping comprising a floral holding material and a sheet of material. The floral holding material is constructed of a material capable of receiving a portion of a floral grouping and supporting the floral grouping. The sheet of material is extended about a portion of the floral holding material and a crimped portion is formed in the sheet of material with the crimped portion cooperating to hold the sheet of material about the floral holding material to provide a decorative covering.

Classifications:

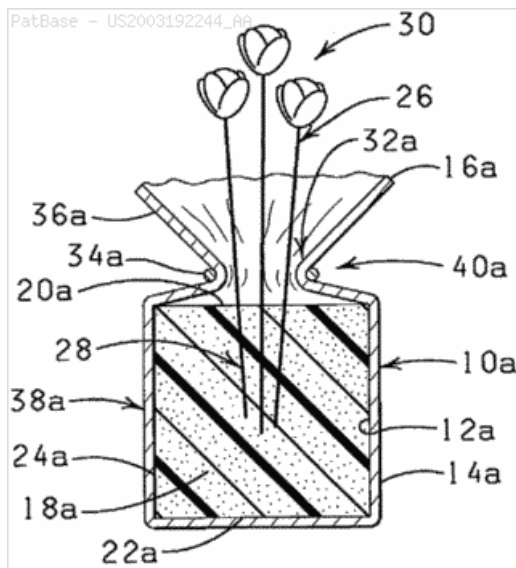
International (IPC 8-9): A01G5/04 A47G7/06 B65D85/50 (Advanced/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G5/04 A47G7/063 B65D85/505

European: A01G5/04 A47G7/06F B65D85/50B

US: 47/72 47/72P



Family:

Publication number	Publication date	Application number	Application date
US2003192244 AA	20031016	US20030420293	20030422

Priority:

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US20000576789 20000523	US20000670644 20000927	US20010912217 20010724
US20020185027 20020626	US20030420293 20030422	

Probable Assignee: CRAIG FRANKLIN J

Assignee(s): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMM MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Inventor(s): (std): CRAIG FRANKLIN J ; KING MICHAEL J ; KLEMM MICHAEL R ; STRAETER JOSEPH G ; STRAETER WILLIAM F ; WEDER DONALD E

Title: PACKAGE FOR CYLINDRICAL SANDWICH AND THE LIKE

Abstract: PCT No. PCT/FR95/00181 Sec. 371 Date Nov. 12, 1996 Sec. 102(e) Date Nov. 12, 1996 PCT Filed Feb. 15, 1995 PCT Pub. No. WO95/21781 PCT Pub. Date Aug. 17, 1995A package for a food product such as a cylindrical sandwich includes an elongate central strip having a plurality of fold lines defining a series of panels. A central panel of the series includes a central flap connected at each side edge, and other closure flaps are connected to at least some of the other panels. The panels are folded with respect to each other so that the endmost panels are positioned to define a polygonal cross-section for the package. The closure flaps and central flaps are folded to close the package. An outer portion of each central flap is free from the remaining closure flaps to permit outward folding of the panels for access to the food product. Several alternative embodiments are disclosed.

Classifications:

International (IPC 8-9): A47G21/00 B41F21/05 B41F21/10 B65D5/00 B65D5/18 B65D65/12 B65D75/14 B65H5/02 B65H5/12 B65H5/14 (Advanced/Invention);

A47G21/00 B41F21/00 B65D5/00 B65D65/02 B65D75/04 B65H5/02 B65H5/08 (Core/Invention)

International (IPC 1-7): A47G21/00 B31D5/02 B31F1/28 B41F21/04 B41F21/05 B41F21/10 B65D05/00 B65D05/18 B65D5/00 B65D5/02 B65D5/08 B65D5/18 B65D5/24 B65D5/42 B65D65/12 B65D75/08 B65D75/14 B65D85/00 B65H B65H3/30 B65H3/44 B65H5/02 B65H5/12 B65H5/14

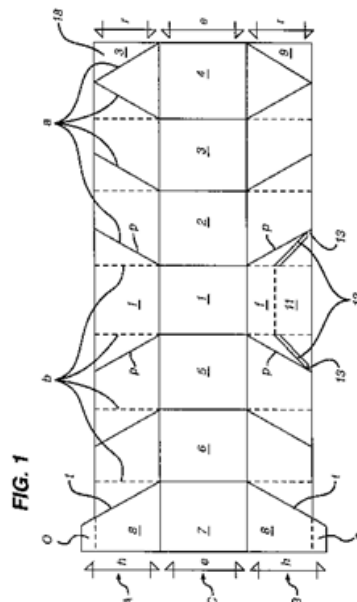
CPC: Y10S229/906 Y10S229/938 A47G21/001 B65D5/001 B65D5/18 B41F21/104 B65H5/14

European: A47G21/00B B41F21/10C B65D5/00B B65D5/18 B65H5/14

US: 101/408 101/409 101/410 229/103.2 229/110 229/122 229/906 229/938 271/277 271/294 271/82

PatBase - US5875956_A

U.S. Patent Mar. 2, 1999 Sheet 1 of 16 5,875,956

**Family:**

Publication number	Publication date	Application number	Application date
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EP0832834 B1	20011107	EP19970114681	19970825
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US5901955 A	19990511	US19960719996	19960925
WO9521781 A1	19950817	WO1995FR00181	19950215

Priority:

FR19940001949 19940215 FR19940014244 19941122 WO1995FR00181 19950215
US19960719996 19960925

Probable Assignee: MEADWESTVACO PACKAGING SYSTEMS LLC

Assignee(s): (std): HEIDELBERG FINISHING SYSTEMS I ; HEIDELBERGER DRUCKMASCH AG ; HEIDELBERGER DRUCKMASCHINEN BR ; MEAD CORP ; DZE MEAD KORPOREJSN ; BENARROUCH ; BENARROUCH JACQUES ; ZHAK BENARRUSH

Assignee(s): BENARROUCH JACQUES VILLEURBANNE FR ; GOSS INT ; GOSS INT AMERICAS INC ; GOSS INTERNATIONAL ASIA PACIFIC INC ; MEADWESTVACO PACKAGING SYSTEMS LLC ; MEAD CORP DAYTON OHIO US ; JACQUES BENARROUCH ; HEIDELBERGER DRUCKMASCHINEN BR AG ; US BANK NA ; US BANK NATIONAL ASSOCIATION AS COLLATERAL AGENT ; US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; SHANGHAI ELECTRIC GROUP CORP ; HEIDELBERGER DRUCKMASCHINEN AG ; HEIDELBERG FINISHING SYSTEMS INC ; HEIDELBERG WEB SYSTEMS INC ; HEIDELBERGER DRUCKMAS AG ; HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT ; HEIDELBERGER DRUCKMASCHINEN BR AKTIENGESELLSCHAFT

Inventor(s): (std): KLOPFENSTEIN ANDREW L ; BENARRUSH ZHAK ; JACQUES BENARROUCH ; BENARROUCH JACQUES

Inventor(s): BENARROUCH JACQUES 69100 VILEURBANNE FR ; ANDREW L KLOPFENSTEIN

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; RIDOUT AND MAYBEE LLP

Designated states: AT AU BE BR BY CA CH CZ DE DK ES FI FR GB GR HU IE IT JP LI LU MC MX NL NO PL PT RU SE SK UA US

66) Family number: 76189950 (WO19200380A1)

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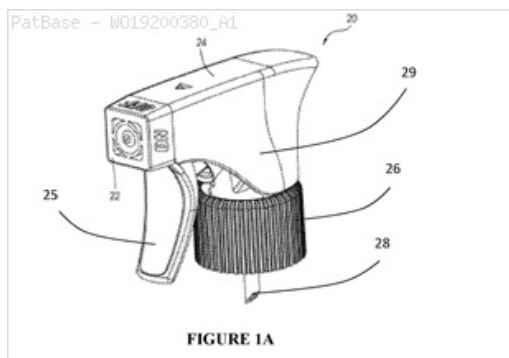
Title: RECYCLABLE, PRE-COMPRESSION DISPENSER WITH TRIGGER SPRAYER

Abstract: A trigger sprayer is made from a single grade of polymer capable of being reused as post consumer resin. The design allows for upright and inverted actuation. A pre-compression diaphragm ensures that dispensing stroke delivers a complete and uniform amount of fluid.

Classifications:

International (IPC 8-9): B05B1/12 B05B1/30 B05B1/34 B05B11/00 B05B11/02 B05B11/04 B65D37/00 (Advanced/Invention)

CPC: B65D37/00 B05B11/0029 B05B11/00442 B05B11/0059 B05B11/303 B05B11/304 B05B11/3067



Family:

Publication number	Publication date	Application number	Application date
WO19200380 A1	20191017	WO2019US27462	20190415

Priority:

US20180657296P 20180413

Probable Assignee: RIEKE CORP

Assignee(s): (std): RIEKE CORP

Inventor(s): (std): CHANDA PRANTIK ; MITTAL GAURANG ; KNIGHT SIMON

Agent(s): BARAONA ROBERT C

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

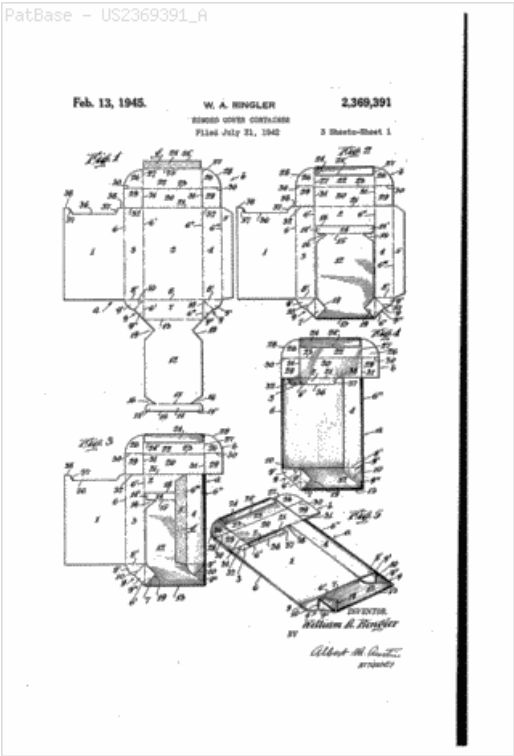
67) Family number: 21602962 (US2369391A)

© PatBase

Title: HINGED COVER CONTAINER

Abstract: 1. An improved hinged cover container formed from paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face of said front wall panel, and an abutment flap connected to said pull-up flap overlying the outside face of said front wall panel, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections associated with the top wall panel and adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

Classifications:
International (IPC 8-9): B65D5/66 (Advanced/Invention);
B65D5/64 (Core/Invention)
International (IPC 1-7): B65D5/28 B65D5/66 B65D85/10
CPC: B65D5/6608
European: B65D5/66B2
US: 206/268 206/273 229/128 229/145 229/171



Family:

Publication number	Publication date	Application number	Application date
US2369391 A	19450213	US19420451715	19420721

Priority:

US19420451715 19420721

Probable Assignee: NAT FOLDING BOX CO

Assignee(s): (std): NAT FOLDING BOX CO ; NAT FOLDING BOX COMPANY

Assignee(s): NATIONAL FOLDING BOX CO ; NATIONAL FOLDING BOX COMPANY

Inventor(s): (std): RINGLER WILLIAM A

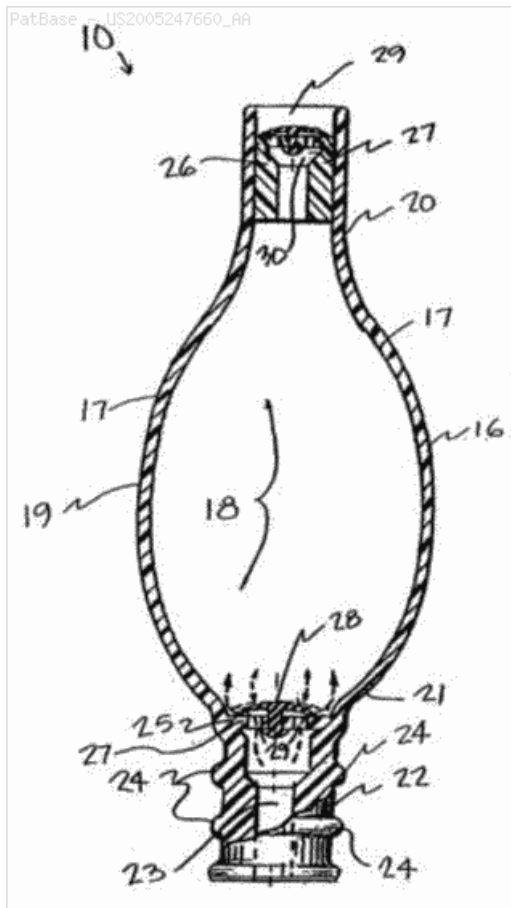
68) Family number: 32392994 (US2005247660A) © PatBase

Title: WINE BOTTLE CLOSURE APPARATUS

Abstract: An improved wine bottle closure and vacuum pump apparatus is disclosed. The apparatus provides an improved bulb structure to be used for pumping and storage purposes, the bulb remaining with a closure plug even after pumping is completed and the wine is to be stored for later consumption. The bulb structure can be collapsed in two different positions including a first position that maintains overall height of the bulb structure and a second position that enables the bulb structure to be shortened in height as an optional feature. The bulb structure provides an enlarged central section that is much larger in diameter than the lower end portion. The lower end portion provides a closure plug for fitting the opening of a wine bottle.

Classifications:

International (IPC 8-9): B65B3/16 B65B31/04 B65B31/06 B65D3/16
B65D39/00 B65D41/00 B65D43/00 B65D47/00 B65D51/00
B65D51/16 B65D81/20 (Advanced/Invention);
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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 KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW