

Search history

Search PN=(WO2015171172) (Results 1)

1:

Search PN=(WO2015171171) (Results 1)

2:

Search [SP]: flexible container the present disclosure provides a flexible container having four panels-a front panel, a rear panel, and opposing gusseted side panels. the front panel bottom face includes a first line defined by the inner edge of a first peripheral tapered seal and a second line defined by the inner edge of a second peripheral tapered seal. the first line intersects the second line at an apex point in a bottom seal area. the front panel bottom face has a bottom distalmost inner seal point on the inner edge and the apex point is separated from the bottom distalmost inner seal point by a distance from 0 mm to less than 8.0 mm. (Results 18)

Search SFT=((container or recipient or bag) and flexible and strip* and reinforce*) (Results 19836)

4:

Search 4 and PD<20140505 (Results 17681)

5:

Search 5 and plastic (Results 11489)

6:

Search SFT=(6) and CPC=(B65D75 or B65D37) (Results 328)

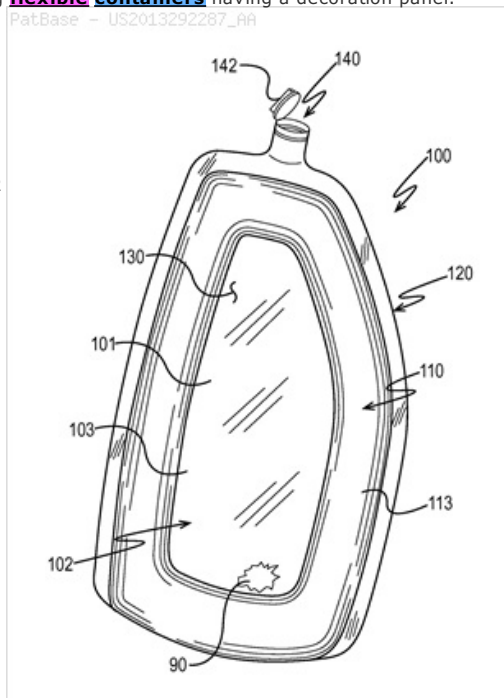
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Title: **FLEXIBLE CONTAINERS** HAVING A DECORATION PANEL

Abstract: Source: US2013292287A [EN] Non-durable self-supporting flexible containers having a decoration panel.

Classifications:

International (IPC 8-9): B05B9/04 B32B1/02 B32B27/00 B32B27/08 B32B27/12 B32B27/30 B32B27/32 B32B27/34 B32B27/36 B32B33/00 B32B7/02 B32B7/04 B32B7/12 B65B1/02 B65B3/02 B65B3/04 B65B43/08 B65D1/32 B65D1/42 B65D21/02 B65D25/14 B65D27/00 B65D30/00 B65D30/02 B65D30/10 B65D30/16 B65D30/22 B65D30/28 B65D33/00 B65D33/02 B65D33/04 B65D35/00 B65D35/02 B65D35/08 B65D35/10 B65D35/22 B65D37/00 B65D57/00 B65D6/14 B65D65/40 B65D75/00 B65D75/52 B65D75/54 B65D75/58 B65D81/32 B65D83/00 B65D85/00 (Advanced/Invention); B65D75/20 B65D75/56 B65D75/58 (Advanced/Non-invention)
CPC: B65D25/14 B65D21/0201 B65D35/10 B65D1/42 B65D31/00 B32B2307/54 B32B2307/548 B32B27/30 B32B27/327 B65D85/00 B65D33/00 B65D75/58 B32B7/02 B32B3/12 B32B27/20 B32B37/10 B32B27/32 B32B2250/24 B32B2255/10 B32B2270/00 B32B2307/31 B32B2307/7242 B32B2307/7244 B32B2307/7246 B32B2439/40 B32B2439/70 B65D33/004 B65D33/02 B65D75/20 B65D75/566 B65D75/5866 B65D75/5877 B65D75/5894 B65D81/3288 B65D31/18 B32B1/02 Y10T428/24942 Y10T428/31746 Y10T428/31797 Y10T428/31913 B65D75/54 B65B3/02 B65B1/02 B65D33/04 B65D75/525 B65D81/3261 B32B27/08 B32B7/12 B32B27/306 B32B27/34 B32B27/36 B65D31/16 B65D75/008 B65D75/5883 B65D75/52 Y10S383/906 B65D33/008 B32B27/325 B65D27/00 B65D37/00 B65B3/04 B65D75/00
US: 1/1 206/459.5 215/12.1 220/645 222/107 222/206 222/94 383/107 428/212 428/476.1 428/483 428/516 53/452 53/456



Family:

Publication number	Publication date	Application number	Application date
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AR092829 AA	20150506	AR2013P101574	20130507
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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DZE PROKTER END GEMBL KOMPANI ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE

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Inventor(s): YOU JUNCN ; ARENT LEE ; SYAAFRULLAH HASIBUAN ; STANLEY SCOTT KENDYL CINCINNATI ; STANLEY SCOTT KENDYLUS ; MCGUIRE KENNETH STEPHEN CINCINNATI ; MCGUIRE KENNETH STEPHENUS ;

MUCHTAR SANTOSO ; EKO SISWANTO ; BOSWELL EMILY CHARLOTTEUS ; CHARLES JOHN BERG ;
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R; JEFFREY V; GUFFEY TIMOTHY B

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
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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

Title: FLEXIBLE MEDICAL CONTAINER WITH SELECTIVELY ENLARGEABLE COMPARTMENTS AND METHOD FOR MAKING SAME

Abstract: Source: US2003000632A [EN] A flexible container is provided for the storage and administration of medical solutions. The container incorporates a transparent front sheet made from a planar layer of a polymer and an opposing rear sheet. The rear sheet is made from a planar laminate layer. The front and rear sheets are sealed together along a common peripheral edge to form a volume enclosure. The volume enclosure is constructed of materials having high oxygen and moisture barrier properties which allows the container thermoplastic to be stored for extended periods of time without degrading the contents. The volume enclosure is then inflated with a pressurized gas to permanently stretch the front and rear sheets outwardly and to thereby increase the volume capacity of the container. An alternative embodiment of the container incorporates multiple compartments, separated by peelable seals, for containing a diluent and a medicament. The seals are ruptured by manipulation of the container to thereby mix the contents together for delivery through standard IV arrangement to a patient.

Classifications:

International (IPC 8-9): A61B19/00 A61J1/00 A61J1/05 A61J1/10 A61J1/12 A61J1/14 A61J1/16 A61J1/20 A61L2/08 A61L2/10 A61L2/26 A61M1/00 A61M37/00 A61M5/00 B29C49/00 B29C65/02 B29C65/18 B29C65/76 B29D31/00 B29D99/00 B31B1/64 B31B1/84 B31B19/84 B31B23/00 B31B23/60 B31B23/74 B31B3/00 B31B41/00 B32B15/08 B32B15/082 B32B15/085 B32B17/06 B32B27/08 B32B27/32 B32B7/04 B65B1/32 B65B3/06 B65B3/28 B65B51/00 B65B55/02 B65B55/04 B65B55/08 B65B55/16 B65D25/00 B65D25/08 B65D25/10 B65D30/02 B65D30/08 B65D30/22 B65D33/01 B65D33/16 B65D33/38 B65D65/02 B65D65/40 B65D75/58 B65D77/08 B65D77/38 B65D81/24 B65D81/32 B65G35/00 C08L23/08 C08L23/14 C08L23/16 C08L53/00 C08L53/02 (Advanced/Invention); A61B19/00 A61J1/05 A61J1/10 A61L2/08 A61M1/00 A61M5/00 B29C65/02 B29C65/18 B29C65/76 B32B27/08 B65D75/58 C08L53/00 C08L53/02 (Advanced/Non-invention); A61B19/00 A61J1/00 A61J1/05 A61J1/10 A61J1/14 A61L2/08 A61L2/10 A61L2/26 A61M37/00 B29C65/02 B29D99/00 B31B1/60 B31B1/74 B31B19/00 B31B23/00 B31B3/00 B31B41/00 B32B15/08 B32B17/06 B32B27/08 B32B27/32 B65B1/30 B65B3/00 B65B51/00 B65B55/04 B65D25/00 B65D25/04 B65D25/10 B65D30/02 B65D30/22 B65D33/01 B65D33/36 B65D65/02 B65D65/40 B65D77/00 B65D77/22 B65D81/24 B65D81/32 C08L23/00 C08L53/00 (Core/Invention); A61L2/08 B29C65/00 B29C65/18 B65D75/52 C08L53/00 (Core/Non-invention); A61B A61J A61L B65D (Subclass/Invention)

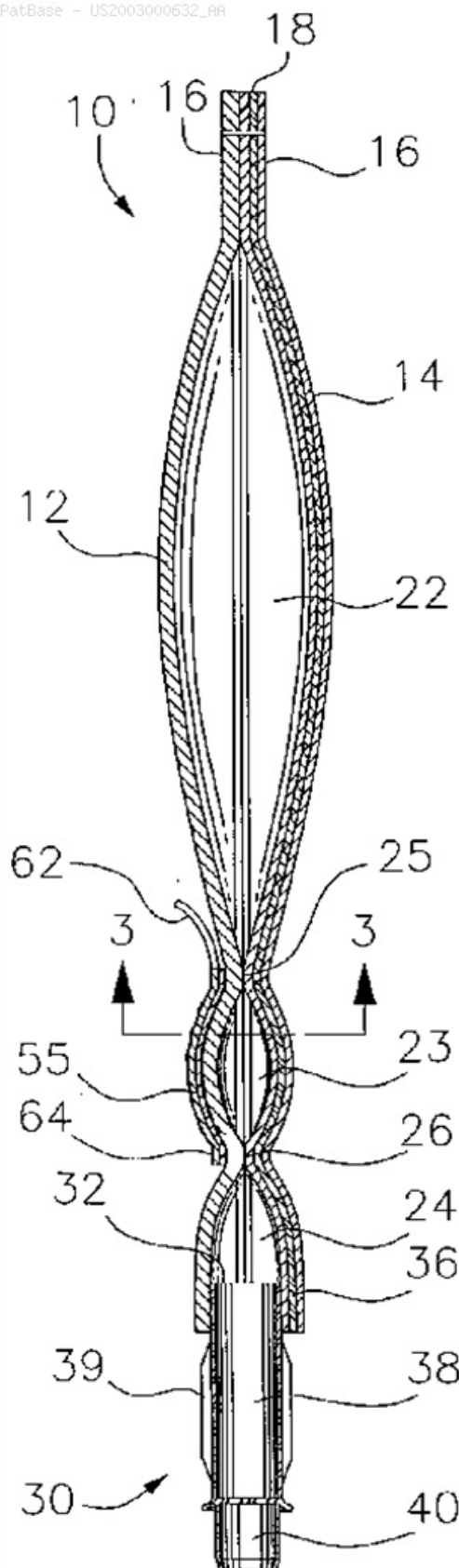
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Assignee(s): B BRAUNMEDICAL INC ; B BRAUN MEDICAL ; B BRAUN MEDICAL INC PA CORPORATION ; BBRAUN MEDICAL INC ; B BRAUN MEDIKAL INK ; B BROWN MEDICAL INC ; B BRAUN MEDICAL INC (PA CORPORATION) ; B BRAUN MEDICAL INC BETHLEHEM ; B BRAUN MEDICAL INC PA CORP ; GHARIBIAN NOEL

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Agent(s): FB RICE ; FB RICE PTY LTD ; FETHERSTONHAUGH AND CO ; VILLASECA ; ERNESTO CAVELIER ; GRUENECKER PATENT U RECHTSANWALTE PARTG MBB ; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET ; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ; UNGRIA JAVIER ; MLTENYI PETER ; REINHOLD COHN AND PARTNERS ; TSURUTA JUNICHI ; NISHIYAMA MASAYA ; HIGUCHI SOTOJI ; ISHIDA TAKASHI ; FUKUMOTO TSUMORU ; CHRISTIE PARKER AND HALE LLP

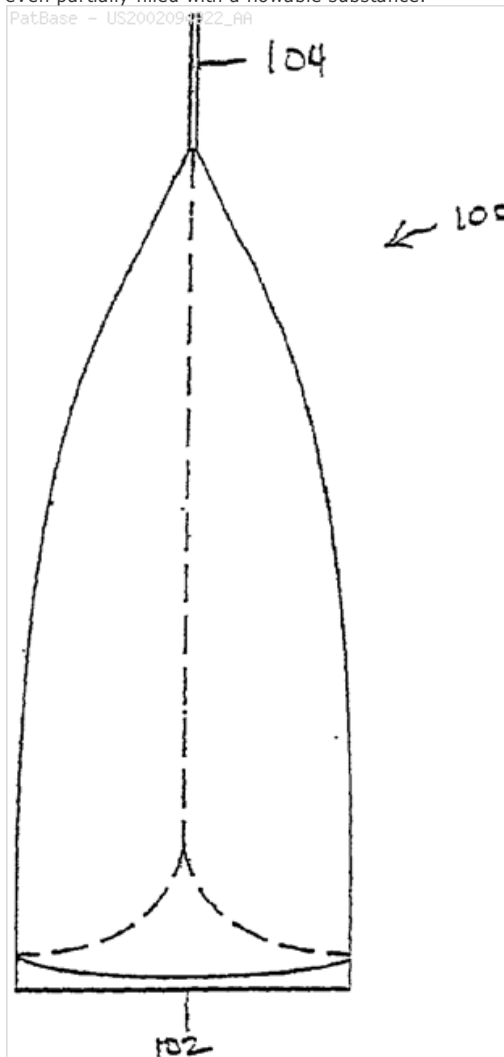
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Title: METHOD OF MANUFACTURING A STANDUP **BAG**

Abstract: Source: US2002094922A [EN] A standup **bags** made of a **flexible** material and methods of producing these standup **bags**. In particular, the standup **bags** have at least one substantially flat surface which is free of seams and folds. When the **bag** is filled with a flowable substance, the pressure exerted by the fluid upon the flat surfaces allows the **bag** to be self-standing. Additionally, the standup includes at least one contour structure that defines the geometry of the **bag** and also contributes to the standup **bag**'s ability to be self-standing when even partially filled with a flowable substance.

Classifications:

International (IPC 8-9): B31B19/74 B31B19/84 B31B19/86 B31B23/00 B65D30/00 B65D30/10 B65D33/02 B65D33/06 B65D33/08 B65D33/10 B65D33/16 B65D33/25 B65D33/38 B65D75/00 B65D75/52 B65D75/56 B65D75/58 B65D77/06 B65D77/20 (Advanced/Invention); B31B19/00 B31B23/00 B65D30/00 B65D30/10 B65D33/02 B65D33/06 B65D33/16 B65D33/25 B65D33/36 B65D75/00 B65D75/52 B65D77/06 B65D77/10 (Core/Invention)
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European: B31B19/74 B31B19/84 B31B19/86 B31B23/00 B65D31/00B B65D33/02 B65D33/06 B65D33/06B B65D33/08 B65D33/10 B65D33/16 B65D75/00E B65D75/52H B65D75/56A B65D75/58 B65D75/58G3A B65D75/58G3C B65D77/06A L29C65/04 L29C65/08 L29C65/18 L29C65/38 L29C66/47421 L29C66/53247 L29L31/7166 L31B219/23 L31B219/90J1 L31B219/90K L31B237/10 L31B237/50
US: 383/1 383/10 383/104 383/104P 383/104S 383/10P 383/10S 383/116 383/116S 383/119 383/119S 383/17 383/17S 383/24 383/24S 383/25 383/25S 383/37 383/37S 383/6 383/6S 383/8 383/80 383/80S 493/167 493/171 493/218 493/219 493/221 493/221P 493/226 493/51 493/934 53/412 53/412S 53/459 53/459S



Family:

Publication number	Publication date	Application number	Application date
AU2002239883 AA	20020724	AU20020239883	20020111
AU2002239883 BB	20070726	AU20020239883	20020111
AU2002239883 BI	20071206	AU20020239883	20020111
BRPI0206557 A2	20120410	BR2002PI06557	20020111
CA2434794 AA	20030714	CA20022434794	20020111
CA2434794 C	20091229	CA20022434794	20020111
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US2002094922 AA	20020718	US20010029695	20011220
US2002094923 AA	20020718	US20010029696	20011220
US2002110291 AA	20020815	US20010029604	20011220
US2002141663 AA	20021003	US20010029513	20011220
US2005025398 AA	20050203	US20040930259	20040831
US6695757 BB	20040224	US20010029695	20011220
US6746388 BB	20040608	US20010029513	20011220
US6783277 BB	20040831	US20010029696	20011220
WO02055402 A2	20020718	WO2002US00815	20020111
WO02055402 C1	20021107	WO2002US00815	20020111

Priority:

US20010029513	20011220	US20010029604	20011220	US20010029695	20011220
US20010029696	20011220	US20010261597P	20010112	US20010300623P	20010625
US20010305788P	20010716	US20010311774P	20010810	WO2002US00815	20020111
US20040930259	20040831	US20010311744P	20010810		

Probable Assignee: SCHOLLE CORP

Assignee(s): (std): EDWARDS SIMON P ; GIANNESCHI BENJAMIN A ; HSU JOSEPH ; LU NANCY ; SCHOLLE CORP

Assignee(s): HSU JOE ; BANK OF AMERICA NA
Inventor(s): (std): HSU JOE ; LU NANCY ; HSU JOSEPH ; GIANNESCHI BENJAMIN A ; EDWARDS SIMON P
Inventor(s): EDWARDS SIMON ; GIANNESCHI BENJAMIN ; BENJAMIN A GIANNESCHI ; SIMON P EDWARDS ; NANCY LU ; JOSEPH HSU
Agent(s): PHILLIPS ORMONDE FITZPATRICK; MACRAE AND CO; KING AND JOVANOVIC PLC
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 SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: Bag-in-carton and pouring spout thereof

Abstract: Source: US5433345A [EN] A pouring spout 5 is mounted on the front surface of a carton 2. The pouring spout 5 pierces through an inner bag 3. Only a region which is slightly larger than the half of the inner bag 3 on the pouring spout side is adhered to the inner surfaces of the carton by a paste. As the content is discharged, since the movable portion of the inner bag is injected into the fixed portion fixed on the inner surfaces of the carton, as the content is discharged, the volume of the inner bag is decreased.

Classifications:

International (IPC 8-9): B65D25/16 B65D5/40 B65D5/56 B65D5/60 B65D5/74 B65D75/58 B65D77/06 B65D83/00 (Advanced/Invention); B65D5/56 B65D5/74 B65D75/52 B65D77/06 (Core/Invention)

International (IPC 1-7): B65D17/06 B65D25/16 B65D5/40 B65D5/56 B65D5/60 B65D5/74 B65D75/58 B65D77/06

CPC: B65D5/606 B65D75/5877 B65D77/065 B65D77/067 B65D77/068 B65D83/0055 B65D2231/001 B65D2231/002 B65D5/746

European: B65D5/60B2 B65D5/74D B65D75/58G3A B65D77/06B2 B65D77/06B2A B65D77/06B3 B65D83/00B L65D231/00A L65D231/00A1

US: 222/105 222/81 222/95

PatBase - US5433345_A

U.S. Patent July 18, 1995 Sheet 1 of 38 5,433,345

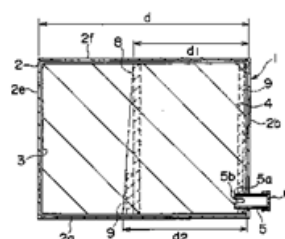


FIG. 1A

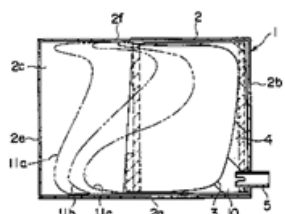


FIG. 1B

Family:

Publication number	Publication date	Application number	Application date
AU199350269 A1	19940512	AU19930050269	19931027
AU199723644 A1	19970828	AU19970023644	19970527
AU676852 B2	19970327	AU19930050269	19931027
AU701422 B2	19990128	AU19970023644	19970527
CA2109374 AA	19940429	CA19932109374	19931027
CA2109374 C	20050329	CA19932109374	19931027
DE69321072 D1	19981022	DE19936021072	19931027
DE69321072 T2	19990602	DE19936021072T	19931027
DE69332695 D1	20030320	DE19936032695	19931027
DE69332695 T2	20031106	DE19936032695T	19931027
DE69333767 D1	20050407	DE19936033767	19931027
DE69333767 T2	20060105	DE19936033767T	19931027
DK0598255 T3	19990614	DK19930117417T	19931027
DK0867380 T3	20030602	DK19930104262T	19931027
DK1127807 T3	20050404	DK19930101192T	19931027
EP0598255 A2	19940525	EP19930117417	19931027
EP0598255 A3	19940629	EP19930117417	19931027
EP0598255 B1	19980916	EP19930117417	19931027
EP0867380 A1	19980930	EP19980104262	19931027
EP0867380 B1	20030212	EP19980104262	19931027
EP1127807 A1	20010829	EP20010101192	19931027
EP1127807 B1	20050302	EP20010101192	19931027
HK1011007 A1	20000505	HK19980112083	19981117
JP3173913 B2	20010604	JP19930082683	19930317
JP3177055 B2	20010618	JP19930082684	19930317
JP3177056 B2	20010618	JP19930082685	19930317
JP3177057 B2	20010618	JP19930082686	19930317
JP3285682 B2	20020527	JP19930291543	19931028
JP3288141 B2	20020604	JP19930180003	19930625
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JP6270961 A2	19940927	JP19930082683	19930317
JP6270962 A2	19940927	JP19930082685	19930317
JP6270963 A2	19940927	JP19930082686	19930317
JP6270964 A2	19940927	JP19930082684	19930317
JP7010169 A2	19950113	JP19930180003	19930625
KR100363631 B1	20030707	KR19930022586	19931028
KR19940009014 A	19940516	KR19930022586	19931028
SG49281 A1	19980518	SG19960008753	19931027

US5433345 A	19950718	US19930140470	19931025
US5551600 A	19960903	US19950424629	19950419
US5769273 A	19980623	US19960661638	19960611

Priority:

AU19930050269 19931027	AU19970023644 19970527	EP19980104262 19931027
EP19930117417 19931027	CA19932109374 19931027	CA19932109374 19931027
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Probable Assignee: DAI NIPPON PRINTING CO LTD

Assignee(s): (std): DAINIPPON PRINTING CO LTD

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Inventor(s): TSUKADA HIROKO DAI NIPPON PRINTING CO LTD ; TSUKADA HIROKO C O DAI NIPPON PRINT CO ; SASAKI YASUYUKI C O DAI NIPPON PRINTING CO ; MORISAKO TAKESHI DAI NIPPON PRINTING CO LTD ; MORISAKO TAKESHI C O DAI NIPPON PRINTING CO ; MIYAMA HIROSHI C O DAI NIPPON PRINTING CO ; BIZEN TAKEHIKO C O DAI NIPPON PRINTING CO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; MACRAE AND CO

Designated states: DE DK FR GB IT SE

Title: **Container** for housing product and method for making same

Abstract: Source: US2002094139A [EN] A **flexible container** and method for making same are provided. the **container** comprises a base portion including a bottom, side walls, and an interior, the bottom defining a substantially flat planar surface when the **container** houses product and the **container** rests on its bottom, an upper panel portion, that is designed to be received within the interior of the base portion and includes side panels that define a closure member, the upper panel being so constructed and arranged to define a substantially flat surface when the closure member is closed and portions of the upper panel are folded over, the upper panel includes a portion that is sealed to the base portion, and a pair of handles may also be coupled to the base portion.

Classifications:

International (IPC 8-9): B31B1/64 B31B3/64 B31B3/74 B31B31/02

B31B31/26 B31B31/60 B31B31/74 B31B37/60 B31B37/74

B31B47/02 B31B49/00 B65D30/00 B65D30/18 B65D33/00

B65D33/02 B65D33/06 B65D33/10 B65D33/16 B65D33/24

B65D75/00 B65D75/56 B65D75/60 (Advanced/Invention);

B65D33/10 B65D75/56 (Advanced/Non-invention);

B31B47/00 B31B49/00 B65D30/00 B65D33/06 (Core/Invention)

International (IPC 1-7): B31B3/64 B31B3/86 B31B37/64 B31B37/86

B65D30/16 B65D30/18 B65D33/02 B65D33/06 B65D33/10

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CPC: B65D33/02 B65D33/24 B65D75/008 B65D2313/02 B65D33/105

B31B70/868

European: B31B19/86 B65D33/02 B65D33/10B B65D33/24

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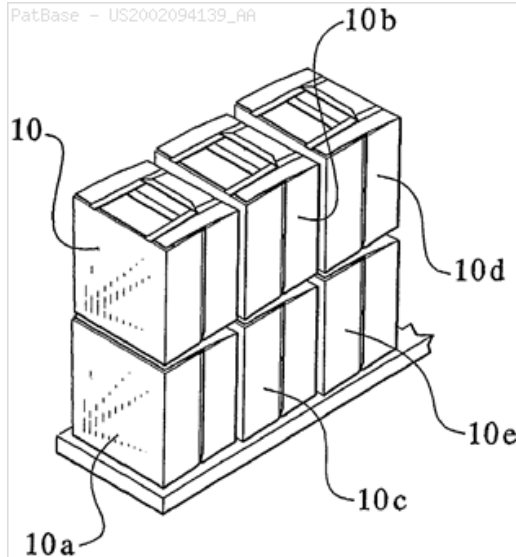
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383/32S 383/6 383/63 383/63S 383/6P 383/6S 383/86 383/86S

383/88 383/88S 383/93 383/93S 383/95 383/95S 383/98 383/98P

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Family:

Publication number	Publication date	Application number	Application date
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NO20030828 A	20030411	NO20030000828	20030221
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US2003185467 AA	20031002	US20030390959	20030318
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US2006177157 AA	20060810	US20060387332	20060323
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Priority:

EP20010962979 20010828 JP20020523360 20010828 US20000228581P 20000829
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Probable Assignee: NESTEC SA

Assignee(s): (std): DES PRODUITS NESTLE S SOC ; DES PRODUITS NESTLE SOC SA ; DES PRODUCITS NESTLE SOC SA ; DES PRODUITS NESTLE SA SOC ; GLEASON TIMOTHY M ; DES PRODUITS NESTLE S A SOC ; DE PRODUITS NESTLE SA SOC ; NESTLE SA ; MILES TODD A ; RATCLIFF JOHN G ; RATCLIFF JOHN ; NESTEC SA ; PRODUITS NESTLE S SOC D ; BANER ALBERT L ; BENNETT HAROLD ; BENNETT HAROLD H ; BUCHANAN JERRY E ; BUCHANAN RODNEY A ; SOCIETE DES PRODUCITS NESTLE S A

Assignee(s): SOCIETE DES PRODUITS NESTLE S ; SOC DES PRODUITS NESTLE SA ; SOCIETE DES PRODUITS NESTLE S A VEVEY ; DES PRODUCITS NESTLE SA SOC ; NESTEC AVENUE NESTLE SA ; SOS ETE DE PRODJUI NESTLE SA ; NESTEC S A ; SOS ETE DE PRODJUI NESTLE S A

Inventor(s): (std): BENNETT HAROLD ; BENNETT HAROLD H ; BUCHANAN J E ; BUCHANAN JERRY E ; BUCHANAN R A ; BUCHANAN RODNEY A ; BANER A L ; BANER ALBERT L ; MILES TODD A ; TODD A MILES ; RODNEY A BUCHANAN ; REHTKLIFF DZHON ; RA BUCHANAN ; MILES TODD A ; RATCLIFF JOHN ; RATCLIFF JOHN G ; MILES A ; MAJLZ TODD A ; JOHN RATCLIFF ; JERRY E BUCHANAN ; JE BUCHANAN ; J E BUCHANAN R A BUCHANAN A L BANER ; HAROLD BENNETT ; BUCHANAN RODNI A ; BUCHANAN E ; BUCHANAN DZHERRI I ; BUCHANAN A ; BENNETT KHAROLD ; BANER L ; BANER ALBERT LORENCE LARRY ; ALBERT L BANER ; AL BANER ; GLEASON TIMOTHY M ; BANER J E BUCHANAN R A BUCHANA

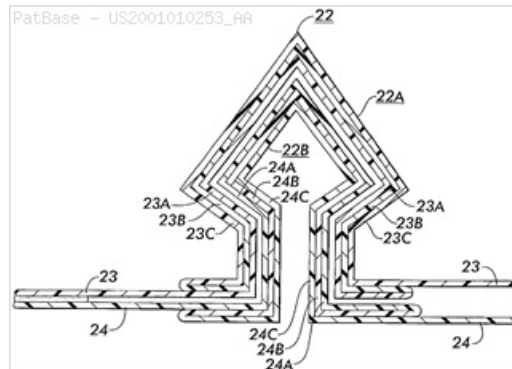
Inventor(s): BANER ALBERT ; BUCHANAN RODNEY ; BUCHANAN JERRY ; TODD A MILES ; MILES TODD ; R A BUCHANAN ; BANER ALBERT LORENCE ; J E BUCHANAN ; A L BANER

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; DR YITZHAK HESS AND PARTNERS; BELL BOYD AND LLOYD LLC; WENDELL RAY GUFFEY NESTLE PURINA PETCARE GLOBAL RESOURCES INC; BELL BOYD AND LLOYD LLP; WENDELL RAY GUFFEY; MICHAEL A

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 PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Abstract: Source: US2001010253A [EN] Packages having improved openable and resealable interlocking closures and methods and apparatus for making the same from a continuous web of film, the closure having male and female portions and being formed either in line with or transversely to the direction of film flow during package formation at line speed. A converter device adjunct to standard packaging apparatus forms a small amount of the running packaging film into a multilayer strip as an integral part of the film. The converter functions with both horizontal and vertical form/fill/seal wrapping machines and with overwrap packagers, and uses diverse packaging films and film laminations of which the substrates may be non-plastic. The packaging film is fed into the converter where the film is fanfolded to form a stack, the layers of which are heat sealed together forming a multilayered strip in plane with the film. The number of stack folds varies depending on the thermoforming properties and thickness of the particular film being used. The strip is abraded on one surface to selectively remove the thermoplastic coating, the film then passing into the package former where product wrapping takes place in packages having single or double overlap longitudinal package seals, and which places portions of the strip in stacked apposed position. The package ends are sealed and the package resealable locking closure is formed in the strip. The female portion of the locking closure is formed in the package face that includes the overlapped longitudinal package seal which includes multiples of the strip and optional additional layers. In another embodiment the strip is not abraded and the inner and outer parts of the resealable closure are separately formed before package formation takes place. Alternatively to form the strip, layering other than by fanfolding to form a stack may be utilized, as for example heat sealing a strip of heat sealable material to the packaging film, Also optionally formed in the resealable closure are hinges and reinforcing V-notches.

International (IPC a-9): B29C43/20 B29C53/36 B29D5/10 B31B1/60
B31B1/64 B31B1/90 B31B19/64 B31B19/90 B31B23/00 B31B23/02
B31B23/14 B31B23/26 B31B23/60 B31B23/74 B31B37/00 B32B1/0
B65B51/00 B65B51/10 B65B51/30 B65B61/18 B65B61/20 B65B7/00
B65B7/02 B65B9/00 B65B9/08 B65B9/10 B65B9/20 B65B9/213
B65D33/16 B65D33/24 B65D33/25 B65D65/26 B65D75/12
B65D75/58 B65D77/12 B65D77/30 (Advanced/Invention);
B65B51/00 B65B9/10 (Advanced/Non-invention);
B29C43/20 B29C53/00 B29D5/00 B31B1/74 B31B19/00 B31B37/00
B32B1/00 B65B51/26 B65B61/18 B65B61/20 B65B7/00 B65B9/00
B65B9/06 B65B9/10 B65D33/16 B65D33/25 B65D65/22 B65D75/04
B65D75/52 B65D77/10 B65D77/22 (Core/Invention);
B65B (Subclass/Invention)



CPG: Y10S493/927 B65B9/06 B5B61/28 B29C53/50 B29C65/18 B29C65/56 B29C65/7451 B29C66/1122 B29C66/232 B29C66/83221 B29K2023/0633 B29L2009/00 B29L2031/7128 B65D39/20 B65B9/20 B65B9/2024 B65B9/213 B65B9/22 B65B51/303 B65B61/06 B65B61/188 B65B220/08 B65D31/10 B65D33/2508 B29C65/76 B29C66/81417 B29C66/81419 B29C66/81427 B29C66/81431 B29C66/81433 B29C66/4312 B29C66/4322 Y10T24/45168 Y10T156/1007 Y10T156/1044 Y10T156/1015 Y10T156/1051 Y10T428/13 Y10T428/1307 Y10T428/1317 Y10T428/1331 Y10T428/24777 B29D5/10 B65D33/25 B65D33/2533 B65D33/2541 B65D33/255 B65D75/12 B65D75/5805 Y10T442/643 B29C66/71 B29C65/305 B29C66/80 B29K2023/06 B29K2023/12 B29K2025/00 B29K2027/06 B29C66/849 B65D33/2558 B29C66/8221 B29C66/83241 B31B70/8133 B31B70/8131 B31B2155/00 B31B2155/0012 B31B2160/20 B29C66/723 B31B50/60

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US: 156/199 156/204 156/222 156/227 156/308.4 156/308.400P 156/66 24/585.12 24/587 383/109 383/120 383/121 383/121P 383/202 383/202S 383/204 383/34 383/61 383/61.2 383/61.200S 383/612 383/63 383/63P 383/63S 383/64 383/65 383/69 383/906 383/906S 428/192 428/34.1 428/34.3 428/34.6 428/341 428/343 428/346 428/35.1 428/351 442/366 442/366P 493/203 493/212 493/213 493/214 493/215 493/390 493/394 493/927 53/133.4 53/133.400S 53/139.2 53/374.2 53/412 53/412 53/412P 53/450 53/451 53/451S 53/459 53/550 53/551 53/551S 53/552 534/120

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Probable Assignee: SEALSTRIP CORP

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Designated states: AT AU BE BR CA CH CY DE DK ES FI FR GB GR IE IL IT JP KR LI LU MC MX NL NZ PT SE TR ZA

Title: MICROWAVE POPCORN PACKAGE, METHODS AND PRODUCT

Abstract: Source: US2008166457A [EN] A microwave popcorn package is provided. The preferred package includes a **flexible bag** construction **reinforced** with a sidewall construction. The package is such that the **flexible bag** construction and the sidewall construction are selectively expandable between a collapsed configuration and an expanded configuration. After the package is opened, the sidewall construction provides for a rigid sidewall to provide a stand up bowl for access to the popped popcorn.

Classifications:

International (IPC 8-9): A23L3/01 A23L5/00 B65B55/00 B65D30/20 B65D30/24 B65D33/01 B65D65/02 B65D75/62 B65D75/66 B65D81/34 H05B6/80 (Advanced/Invention);

A23L1/18 A23L7/161 B65D75/00 (Advanced/Non-invention);

A23L3/005 B65B55/00 B65D30/10 B65D65/02 B65D81/34

H05B6/80 (Core/Invention);

A23L1/18 (Core/Non-invention)

CPC: B65D75/5805 B65D2205/00 B65D2581/3454 B65D2581/3486

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B65D2581/3494

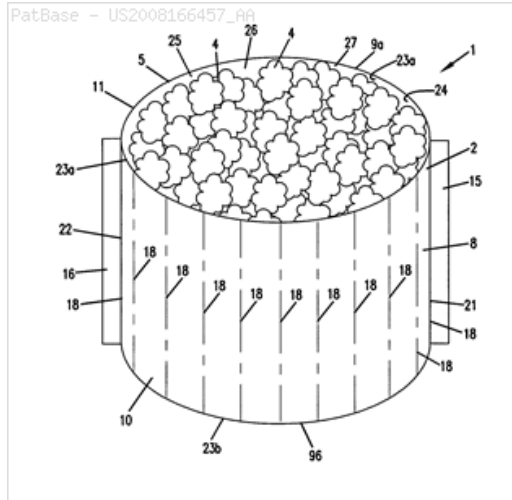
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L65D581/34M7S L65D75/00E

US: 1/1 219/725 219/727 219/730 426/107 426/107P 426/413

426/413S



Family:

Publication number	Publication date	Application number	Application date
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CA2914235 AA	20080717	CA20082914235	20080107
CA2914235 C	20180130	CA20082914235	20080107
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US2015166242 AA	20150618	US20150631012	20150225
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US8729437 BB	20140520	US20080970349	20080107
US8735786 BB	20140527	US20090559094	20090914
US9079704 BB	20150714	US20100953123	20101123
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WO08086277 A2	20080717	WO2008US50391	20080107
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Priority:

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Probable Assignee: CONAGRA FOODS RDM INC

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Assignee(s): CONAGRA FOODS RDM INC OMAHA ; CONAGRA FOODS RSM INC

Inventor(s): (std): FRANCE DAVID W ; LACHMANSINGH CLIFTON ; WAROSH PAUL J ; WAROSH PAUL ; SWANLUND STEVEN P ; GORMAN CHARLES ; CULTER JOHN D ; WAROSH PAUL JOHN ; GORMAN CHARLES THOMAS ; WALSH JOSEPH C ; LUPFER NICHOLAS P ; GREENWOOD DONALD L ; CULTER JOHN DOUGHERTY

Inventor(s): GORMAN CHARLES THOMAS MAHTOMEDI ; PAUL JOHN WAROSH ; WAROSH PAUL JOHN GRETN ; CHARLES THOMAS GORMAN

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

Title: COMBINATION **CONTAINER** AND **BAG**

Abstract: Source: US2011017812A [EN] **Bag**-on-**container** assemblies and **bag**-in-**container** assemblies are disclosed. The **container** may include a paperboard box having a front wall, a rear wall, a pair of opposed side walls, a plurality of flaps capable of forming a bottom wall and a plurality of flaps capable of forming a top wall. The inside surfaces of the box walls, including the outwardly facing **strips**, may have a thermal **plastic** coating thereon. The **bag** component of each type of assembly may include a closure member for to enable resealing of the **bag** component.

Classifications:

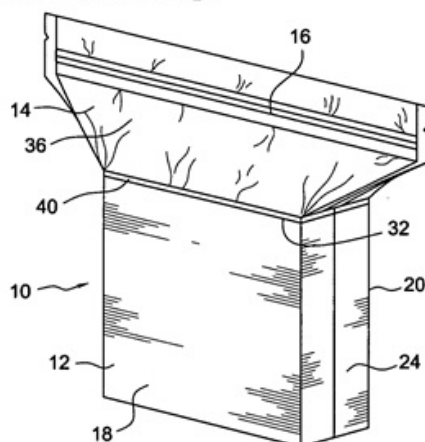
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CPC: Y10T156/10 B65D5/12 B65D5/443 B65D33/008 B31B70/00 B65D5/4266 B65D33/2558 B65D5/563 B31B50/0044 B31B50/64 B31B50/8144 B31B2105/00 B31B2120/30 B31B2120/408 B65B1/02 B65B61/188 B65D5/606 B65D31/06 B65D33/2508 B65D75/58

European: B31B7/00 B65D31/06 B65D33/25A B65D5/12 B65D5/44B1 B65D5/56B B65D5/60B2 B65D75/58 L31B201/00 L31B217/00C2

US: 1/1 156/60 156/60S 229/117.27 229/117.270P 229/117.3 229/117.34 229/117.340S 229/124 229/124P 383/61.3 383/61.300S 383/64 383/64S 493/102 493/102S 493/133 493/133S 493/213 493/213S 493/96 493/96S

PatBase - US2011017812_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

AU20100276422 20100716	AU20140250720 20141017	US20090460682 20090723
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WO2010US42288 20100716		

Probable Assignee: UNIVERSAL SYNERGETICS INC

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Assignee(s): UNIVERSAL SYNERGETICS INC ; ZIPBOX LICENSE LLC5 STOW ROADMARLTONNJ08053US

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Inventor(s): KOZARSKY NEIL JUS ; NEIL J KOZARSKY ; STEPHEN P BELKO ; KOZARSKY ELIOT MUS ; BELKO STEPHEN PUS ; CARPORASO JOHN AUS ; ELIOT M KOZARSKY ; JOHN A CARPORASO

Agent(s): SPRUSON AND FERGUSON; MOFFAT AND CO; HOFFMANN DRAGSTED A S; COZEN OCONNOR PC; COZEN OCONNOR; GERSPACHER AUDE

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

Title: CHILD-RESISTANT AND SENIOR-FRIENDLY ECO-FRIENDLY PILL DISPENSER BLISTER PACKAGE

Abstract: Source: US2012012497A [EN] A blister and package system made of a blister card and an outer package with unique interacting locking mechanisms. The blister card or **strip** is inserted into the outer package or sleeve and locks immediately without having to further process the outer package or the blister card or **strip**. The user is able to expose the blisters from the outer package by disengaging the lock. The blister card or **strip** includes a formable, pliable sheet material, into which one or more individual cavities or blisters are formed. The separated cavities are loaded with product and sealed with one or more layers of puncturable or tearable sheet material, such as aluminum foil. The blister card or **strip** contains a **plastic** rivet assembly that forms an interference mechanism. The rivet is trapped by an internally formed panel and stopped by a catch flap included in the outer package.

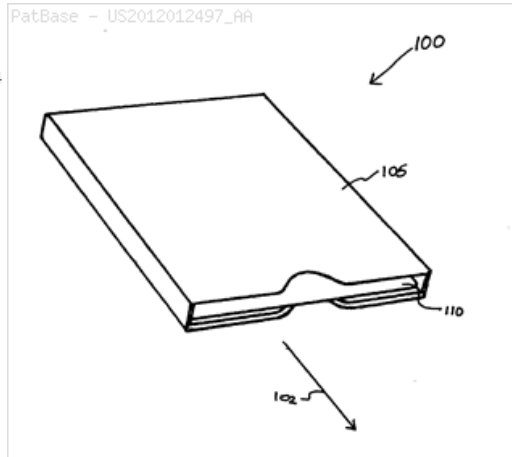
Classifications:

International (IPC 8-9): A23K1/00 A23K1/10 A23K1/18 A61J1/00 A61J1/03 B65D B65D25/00 B65D5/02 B65D5/06 B65D5/38 B65D5/64 B65D50/02 B65D59/04 B65D75/32 B65D75/36 B65D77/04 B65D77/22 B65D83/04 (Advanced/Invention); B65D75/32 (Advanced/Non-invention)

CPC: B65D5/38 B65D83/0463 B65D2215/02 B65D2575/3227 B65D77/22 B65D77/0413 B65D59/04 B65D25/00 B65D75/327 A61J1/035

European: B65D83/04C2

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Family:

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Priority:

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WO2011US01265	20110718	US20120731045	20121230	US20150754586	20150629
US20160144685	20160502				

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EDWARD ; WESTON MICHAEL H

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Agent(s): HODGKINSON MCINNES PATENTS; IP SOLVED ANZ PTY LTD; SHAPIRO COHEN; ESTUDIO JOHANSSON; JAIME EDUARDO DELGADO VILLEGAS; TROESCH SCHEIDEGGER WERNER AG; CARPINTERO MARIO; ONDA HIRONORI; ONDA MAKOTO; BAKOS AND KRITZER; KRITZER NOAM 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 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

Abstract: Source: US2005218198A [EN] Dispensers for comestible products are provided. The dispensers can be made of any suitable material including paperboard and plastic. The dispensers in general open to expose multiple products to the consumer who can select one or more of same. The dispensers are recloseable and can be pseudo-airtight. They can be sized to hold varying amounts and sizes of products. In certain embodiments, glue or adhesive is used to hold the products in place.

International (c.8-9): A23G3/00 A23G4/00 A45C11/20 A45C15/00
A45D33/20 A45D33/24 A45D40/18 A45D40/24 B65B11/00
B65B25/00 B65B35/50 B65B49/00 B65B5/06 B65B5/12 B65D1/24
B65D5/00 B65D5/02 B65D5/10 B65D5/355 B65D5/38 B65D5/42
B65D5/52 B65D5/66 B65D5/72 B65D6/04 B65D6/06 B65D65/26
B65D69/00 B65D71/00 B65D73/00 B65D75/00 B65D75/20
B65D75/22 B65D75/24 B65D77/02 B65D83/08 B65D85/00
B65D85/48 B65D85/50 B65D85/60 B65D85/62 (Advanced/Invention);
B65D5/02 B65D85/62 (Advanced/Non-invention);
A23G3/00 A23G4/00 A45C11/20 A45C15/00 A45D33/00 A45D40/00
B65B5/10 B65D1/22 B65D5/00 B65D5/02 B65D5/44 B65D5/64
B65D5/72 B65D6/00 B65D65/22 B65D69/00 B65D71/00 B65D73/00
B65D75/00 B65D75/04 B65D77/00 B65D85/48
B65D85/60 (Core/Invention)

CPC: B65D5/6608 B65D5/6667 B65D83/0876 B65D85/60 B65D5/721
B65D11/12 B65D75/22 B65D5/665 B65D77/02 B65D5/5253
B65D5/0254 B65D5/10 B65D5/38 B65D5/66 B65D5/722 B65D75/245
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B65B11/004 B65B5/062 A23G4/00 B65D85/62

US: 206/229 229/122 229/122P 229/123 229/123S 229/130 229/130S 229/149 229/155 229/198.2 229/87.05 229/87.07 229/87.08 426/106 426/3 426/3P



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CA20062633262	20061212	AU20110201343	20110323	AU20110100689	20110609
US20040560306	20040406	EP20060848557	20061212	EP20050793368	20050902
US20040560306P	20040406	RU20080123166	20080610	CA20062706916	20061212
CA20102633262	20100719	EP20090181043	20061212	WO2005US31305	20050902
WO2005US31305	20050902	WO2006US61894	20061212	WO2006US61893	20061212
US20060609455	20061212	US20050301964	20051212	US20040935044	20040907
US20060609448	20061212	US20050098927	20050404	WO2005US11558	20050405
US20170458733	20170314				

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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 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 MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW