

Search history

- Search 1: bottle and PET and (sheet or layer) and polypropylene (Results 8804)
 Search 2: 1 and tac=(PET and layer) (Results 622)
 Search 3: (2) AND IPC=(B65 OR B32 OR B29) (Results 487)
 Search 4: 3 and polyethylene (Results 465)
 Search 5: 4 and tac=(polyethylene and polypropylene) (Results 265)
 Search 6: 5 and (((PP or polypropylene) and (PET or terephthalate) and (PE or polyethylene)) near (layer or sheet)) (Results 8)

1) Family number: 58848011 (US2017267416A)

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Title: A LID SHEET, A METHOD FOR MANUFACTURE, AND A PACKAGE

Abstract: The present disclosure relates to a transparent lid sheet for being punched to a transparent sheet lid to be attached to a container to produce a package, said lid sheet comprising: a transparent base layer, which comprises a transparent polyethylene terephthalate layer with a barrier layer coated onto the polyethylene terephthalate layer, the base layer having a first major surface, which preferably substantially coincides with an outer major surface of the barrier layer, and a top layer providing a welding layer for welding the sheet lid to the container, the top layer coinciding with the first major surface.

Classifications:

International (IPC 8-9): B05D5/00 B05D7/04 B05D7/24 B29C65/00 B29C65/02 B32B27/08 B32B27/32 B32B27/36 B32B37/15 B32B38/04 B65D43/02 B65D77/20 (Advanced/Invention)

CPC: B32B2255/20 B65D77/2044 B65D2577/205 B32B27/308 B32B2250/24 B32B2255/10 B32B2435/02 B32B2250/20 B65D77/2024 B65D43/02 B32B37/153 B05D5/00 B05D7/04 B05D7/24 B32B38/04 B29C65/02 B29C66/02241 B29C66/53461 B32B2439/40 B32B2323/00 B32B2323/10 B32B2367/00 B32B2038/042 B29L2031/712 B29K2667/003 B29K2995/0026 B29K2995/0067 B32B27/08 B32B27/32 B32B27/36 B32B2307/31 B32B2307/412 B32B2307/7244 B29C48/08 B29C48/185 B29C48/21



Family:

Publication number	Publication date	Application number	Application date
EP2853389 A1	20150401	EP20140195914	20141202
EP3227113 A1	20171011	EP20150805100	20151130
US2017267416 AA	20170921	US20150532077	20151130
WO16086937 A1	20160609	WO2015DK50364	20151130

Priority:

EP20140195914 20141202 EP20150167635 20150513 WO2015DK50364 20151130

Probable Assignee: DANAPAK FLEXIBLES A S

Assignee(s): (std): DANAPAK FLEXIBLES AS

Assignee(s): DANAPAK FLEXIBLES A S

Inventor(s): (std): JOHANSEN PETER LASS ; CHRISTENSEN LARS CHRISTIAN

Agent(s): TRIER MIKKEL ROED; AWAPATENT A S; TRIER MIKKEL ROED ET AL

Designated states: AE AG AL AM 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 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

2) Family number: 42181152 (US2008233424A)

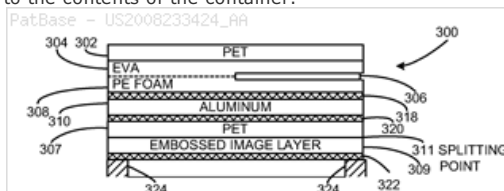
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Title: CONTAINER SEAL WITH REMOVAL TAB AND PIERCABLE HOLOGRAPHIC SECURITY SEAL

Abstract: A holographic sealing member for a container comprises a heat actuated sealant or adhesive layer that secures the sealing member to a container, a metal foil sealing layer over and covering and adhesively bonded to the heat actuated sealant or adhesive layer, a holographic layer over and covering and adhesively bonding to the metal foil layer having an upper plastic layer and a lower embossed image layer, and a tab over and covering and adhesively bonded to the upper plastic layer that may be pulled to remove the tab and the plastic layer from a container, thereby exposing the lower embossed image layer which must then be perforated to gain access to the contents of the container.

Classifications:

International (IPC 8-9): B32B15/04 B32B15/08 B32B15/085 B32B15/20 B32B7/06 B32B7/12 B65D43/00 B65D43/02 B65D51/18 B65D51/20 B65D55/06 B65D55/08 B65D77/20 G03H1/00 G03H1/02 G09F3/03 (Advanced/Invention); B32B15/08 B32B7/12 B65D55/02 G09F3/03 (Core/Invention)
CPC: B32B7/06 B32B15/08 B65D43/0235 Y10T428/12535 Y10T428/215 Y10T428/31786 B65D2251/0015 B65D51/185 B65D2251/0028 B65D2251/0031 B65D2251/009 B65D55/06



B65D51/20 B65D2251/0093 B32B7/12 B32B15/046 B32B15/085 B32B15/20 B32B2266/025 B32B2307/4026 B32B2307/412 B32B2307/748 B65D77/2024 B65D2101/00 G03H1/0011 G03H1/0244 G03H1/0252 G09F3/0341 B65D77/2056
European: B32B15/08 B32B7/06 B32B7/12 G09F3/03A5
US: 215/201 215/203 215/204 215/230 215/232 215/258 215/347 220/255 220/268 283/101 283/81 428/480 428/621 428/621P 428/66.4

Family:

Publication number	Publication date	Application number	Application date
CA2681683 AA	20081002	CA20082681683	20080220
CA2681683 C	20150217	CA20082681683	20080220
EP2132036 A2	20091216	EP20080730222	20080220
EP3102499 A1	20161214	EP20150746686	20150204
EP3102499 A4	20170222	EP20150746686	20150204
IN201647029672 A	20161007	IN201647029672	20160831
US2008233424 AA	20080925	US20080026723	20080206
US2014224800 AA	20140814	US20140253901	20140416
US2016325896 AA	20161110	US20150107560	20150204
US8703265 BB	20140422	US20080026723	20080206
US9624008 BB	20170418	US20140253901	20140416
WO08118569 A2	20081002	WO2008US54375	20080220
WO08118569 A3	20090723	WO2008US54375	20080220
WO15119988 A1	20150813	WO2015US14363	20150204

Priority:

US20070896816P 20070323 US20080026723 20080206 WO2008US54375 20080220
US20140936218P 20140205 US20140253901 20140416 US20150107560 20150204
WO2015US14363 20150204

Probable Assignee: SELIG SEALING PRODUCTS INC

Assignee(s): (std): ILLINOIS TOOL WORKS ; SELIG SEALING PRODUCTS INC ; THORSTENSEN WOLL ROBERT WILLIA ; SMELKO JOSEPH ; THORSTENSEN WOLL ROBERT WILLIAM

Assignee(s): ILLINOIS TOOL WORKS INC ; GENERAL ELECTRIC CAPITAL CORP ; GENERAL ELECTRIC CAPITAL US AGENT AS CORP

Inventor(s): (std): THORSTENSEN WOLL ROBERT WILLIA ; SMELKO JOSEPH ; THORSTENSEN WOLL ROBERT WILLIAM

Agent(s): MACRAE AND CO; ROUND EDWARD MARK; GILL JENNINGS AND EVERY LLP; PERRY HOFFMAN AND ASSOCIATES PC; FITCH EVEN TABIN AND FLANNERY LLP; HAUPTMAN BENJAMIN J; KRATZ RUDY 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

3) Family number: 32574301 (US2006292323A)

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Title: WATER-RESISTANT COATED ARTICLES AND METHODS OF MAKING SAME

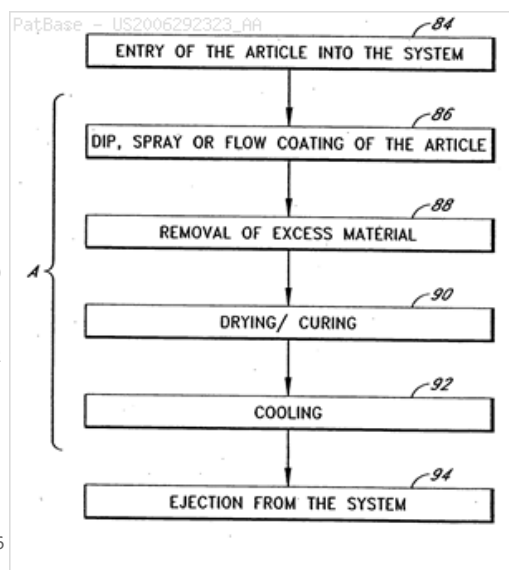
Abstract: Coated articles may comprise one or more coating layers, including water resistant coatings. A method comprises applying such coating layers by dip, spray or flow coating. The methods can make coated containers, preferably comprising polyethylene terephthalate, from coated preforms. In some methods, the aqueous solutions, dispersions, or emulsions are substantially or completely free of VOCs.

Classifications:

International (IPC 8-9): B05D B05D1/36 B05D3/00 B05D3/02 B05D5/00 B05D7/00 B29C41/20 B29C49/02 B29C49/22 B29C49/42 B32B1/08 B32B27/00 B32B27/08 B32B27/30 B32B27/32 B32B27/36 B32B27/38 B32B27/40 B32B33/00 B65D1/00 B65D23/02 B65G17/48 B65G47/52 B65G49/02 C08J C08J7/00 C08J7/04 C09D C09D123/02 C09D129/04 C09D133/02 C09D163/00 F16L11/04 H05H1/00 (Advanced/Invention); B05C13/02 B05D7/00 B29L22/00 B29L9/00 B32B33/00 C08J7/00 C08J7/04 C09D129/04 (Advanced/Non-invention); B05D1/36 B05D3/00 B05D5/00 B05D7/00 B29C41/02 B29C49/00 B29C49/02 B29C49/22 B29C49/42 B32B27/00 B32B27/08 B32B27/30 B32B33/00 B65D1/00 B65D23/00 B65G17/30 B65G47/00 B65G47/52 B65G49/00 C08J7/00 C09D129/00 F16L11/04 H05H1/00 (Core/Invention); B05C13/02 (Core/Non-invention)

International (IPC 1-7): B05D1/36 B05D7/00 B29C41/20 B29C49/02 B29C49/42 B65G17/48 B65G47/52 B65G49/02 C08J7/04

CPC: B05D3/12 B05D2258/02 B29B2911/14033 B29B2911/1404 B29B2911/14106 B29C33/36 B29C41/14 B29C41/20 B29C45/0053 B29C49/12 B29C49/4205 B29C2035/0822 B29C2045/0079 B29K2023/083 B29K2023/12 B29K2069/00 B29K2077/00 B29K2105/162 B29K2467/043 B29K2623/12 B29K2995/0067 B29L2009/00 C08J2323/04 C08J2423/02 B05D3/08 B05D3/141 B05D3/144 B05D3/145 B05D7/546 B05D2201/00 B29B2911/14133 B29B2911/1414 B29B2911/14153 B29B2911/14633 B29B2911/14646 B29C45/062 B29C45/1625 B29C45/1657 B29C45/1684 B29C49/02 B29C2045/1662 B29C2049/026 B29C2049/227 B29K2067/043 B29K2067/046 B29K2105/253 B29K2667/043 B29K2667/046 C08J7/123 Y10T428/1352 Y10T428/1379 Y10T428/1393 B05D1/002 B05D1/02 B05D1/18 B05D1/30 B05D7/02 B05D7/227 B05D7/52 B05D7/544 B05D2201/02 B05D2701/00 B29B2911/1402 B29B2911/14026 B29B2911/14066 B29B2911/1408 B29B2911/14093 B29B2911/14113 B29B2911/1412 B29B2911/14126 B29B2911/1424 B29B2911/14246 B29B2911/14253 B29B2911/14266 B29B2911/14273 B29B2911/1428 B29B2911/1498 B29C49/0005 B29C49/06 B29C49/221 C08J2367/02 Y10T428/31511 Y10T428/31551 Y10T428/31573 Y10T428/31801 Y10T428/31855 Y10T428/31913 Y10T428/31928 C08J7/04 B29C49/42 C09D129/04 B05D1/30 B05D7/02 B05D7/52 B05D7/544 B29C33/36 B29C41/14 B29C41/20 B29C45/00J B29C45/16H B29C45/16P B29C49/00B B29C49/42 C08J7/04 C08J7/12A C09D129/04 L05D1/00C L05D1/02 L05D1/18 L05D1/30 L05D201/00 L05D201/02 L05D258/02 L05D3/08 L05D3/12 L05D3/14C L05D3/14C3C L05D3/14C5 L05D7/22C L05D7/544 L05D7/546 L05D701/00 L29B911/14B2B L29B911/14B2D L29B911/14B2F L29B911/14B2H L29B911/14B4D L29B911/14B4F L29B911/14B4H L29B911/14B4L L29B911/14B4L2 L29B911/14B4L2B L29B911/14B4L2B2 L29B911/14B4N L29B911/14B4N2 L29B911/14B4N2B2 L29B911/14B4V L29B911/14B4V2 L29B911/14B4V2B L29B911/14B4V8 L29B911/14B4V8B



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428/36.910P 428/413 428/413P 428/423.1 428/423.100S 428/424.2 428/424.200S 428/484.1 428/484.100S 428/500
428/500S 428/516 428/516S 428/520 428/520S

Family:

Publication number	Publication date	Application number	Application date
AR056657 AA	20071017	AR2006P101534	20060418
AU2005265401 AA	20060126	AU20050265401	20050711
AU2006236523 AA	20061026	AU20060236523	20060417
AU2006304284 AA	20070426	AU20060304284	20061012
BRPI0513163 A	20080429	BR2005PI13163	20050711
BRPI0609107 A2	20100223	BR2006PI09107	20060417
BRPI0617873 A2	20110809	BR2006PI17873	20061012
CA2573140 AA	20070105	CA20052573140	20050711
CA2603813 AA	20071003	CA20062603813	20060417
CA2622023 AA	20080307	CA20062622023	20061012
CN101014457 A	20070808	CN200580030063	20050711
CN101198415 A	20080611	CN200680021883	20060417
CN101287780 A	20081015	CN200680037980	20061012
EP1765573 A2	20070328	EP20050771318	20050711
EP1874488 A2	20080109	EP20060750361	20060417
EP1934275 A2	20080625	EP20060816909	20061012
HK1116723 A1	20090102	HK20080111164	20081009
HK1116723 A3	20090102	HK20080111164	20081009
HK1122829 A1	20090529	HK20090103022	20090331
HK1122829 A3	20090529	HK20090103022	20090331
IN00425DN2007 A	20070817	IN2007DN00425	20070116
IN03633DN2008 A	20080815	IN2008DN03633	20080429
IN08457DN2007 A	20080704	IN2007DN08457	20071102
JP2008505785 T2	20080228	JP20070520592T	20050711
JP2008536731 T2	20080911	JP20080507764T	20060417
JP2009515676 T2	20090416	JP20080535729T	20061012
KR20070041558 A	20070418	KR20077002730	20070202
KR20080003882 A	20080108	KR20077026443	20060417
KR20080063400 A	20080703	KR20087011345	20061012
MX2007000152 A1	20070330	MX20070000152	20050711
MX2007012990 A1	20071213	MX20070012990	20060417
NO20070734 A	20070403	NO20070000734	20070208
NO20070734 L	20070403	NO20070000734	20070208
RU2007104484 A	20080820	RU20070104484	20050711
RU2007142213 A	20090527	RU20070142213	20060417
RU2008117373 A	20091120	RU20080117373	20061012
TH83220 A	20070222	TH20061001735	20060417
US2006292323 AA	20061228	US20060405761	20060417
US2007087131 AA	20070419	US20060546654	20061012
US2011200827 AA	20110818	US20100883100	20100915
US2012082810 AA	20120405	US20110315218	20111208
WO06010141 A2	20060126	WO2005US24726	20050711
WO06010141 A3	20060504	WO2005US24726	20050711
WO06113561 A2	20061026	WO2006US14300	20060417
WO06113561 A3	20070426	WO2006US14300	20060417
WO07047475 A2	20070426	WO2006US40157	20061012
WO07047475 A3	20071206	WO2006US40157	20061012
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Priority:

US20040586854	20040709	US20040586854P	20040709	US20050644044P	20050114
US20050672321	20050418	US20050672321P	20050418	US20050695023P	20050629
WO2005US24726	20050711	WO2005US24726	20050711	US20050726973	20051014
US20050726973P	20051014	US20050737536P	20051117	US20060761667P	20060124
US20060405761	20060417	WO2006US14300	20060417	US20060546654	20061012
WO2006US40157	20061012	US20100883100	20100915	US20110315218	20111208

Probable Assignee: ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG SA

Assignee(s): (std): ADVANCED PLASTICS TECHNOLOGIES ; ADVANCED PLASTICS TECHNOLOGIES LUX SA ; ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG S A ; HUTCHINSON GERALD A ; FARHA SAID ; FINLAY PAT ; FARHA SAID K ; HUTCHINSON GERRY A ; LEE ROBERT ; LEE ROBERT A ; THARMAPURAM SRIRAM

Assignee(s): PEPSICO INC ; PLASTIC PACKAGING AND TRAINING CONSULTING CO ; ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG SA ; ADVANCED PLASTICS TECNOLOGIES LUXEMBOURG S A ; HUTCHINSON SHARON ; ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG ; ADVANCED PLASTICS TECHNOLOGIES LTD

Inventor(s): (std): FARHA SAID ; FARHA SAID K ; FINLAY PAT ; FINLAY PATRICK J ; HUTCHINSON GERALD A ; HUTCHINSON GERRY A ; LEE ROBERT ; LEE ROBERT A ; PAT HUTCHINSON GERALD A LEE RO ; SAID FARHA ; SRIRAM THARMAPURAM ; THARMAPURAM SRIRAM ; THARMAPURAM SRIRAM R

Inventor(s): SAID K FARHA ; ROBERT A LEE ; PAT FINLAY ; HUTCHISON GERALD ; HUTCHINSON GERRY ; GERALD A HUTCHINSON ; GERRY A HUTCHINSON ; HUTCHINSON GERALD

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS AND FERGUSON; LANG MICHENER LLP; MCMILLAN LLP; POLYPATENT; MARKS AND CLERK; JSM; KNOBBE MARTENS OLSON AND BEAR LLP

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 HN HR HU ID IE IL IN IS IT JP KE

4) Family number: 56591523 (US2014151260A)

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Title: EASY OPENING BAG

Abstract: An easy opening bag comprising corner seals. A line of weakness extends from at least a portion of a first panel of the bag into at least a portion of a first corner seal of the bag, wherein the line of weakness is: a dashed line in the first panel; and a continuous line in the first corner seal, and wherein the dashed line in the first panel and the continuous line in the first corner seal abut.

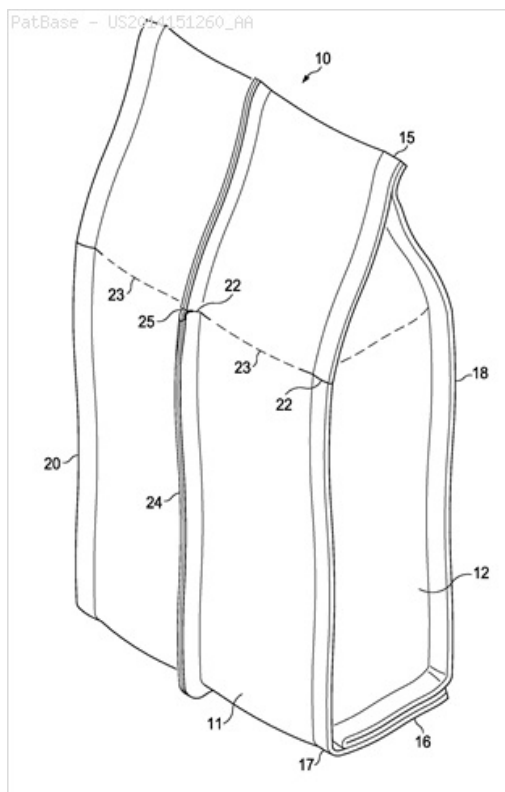
Classifications:

International (IPC 8-9): B65B1/02 B65D30/08 B65D30/10

B65D75/58 B65D77/38 (Advanced/Invention)

CPC: B65D77/38 B65D31/16 B65B1/02 B65D31/04 B65D75/5827

US: 1/1 206/524.5 383/207 53/456



Family:

Publication number	Publication date	Application number	Application date
CN104822598 A	20150805	CN201380062487	20131113
CN104822598 B	20170308	CN201380062487	20131113
EP2925620 A1	20151007	EP20130799432	20131113
US2014151260 AA	20140605	US20130086096	20131121
US9302838 BB	20160405	US20130086096	20131121
WO14085085 A1	20140605	WO2013US69806	20131113

Priority:

US20120731484P 20121130 WO2013US69806 20131113 US20130086096 20131121

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO

Inventor(s): (std): VERHERBRUGGHEN HEDWIGE CLARA THEOPHIEL ; FRANK MARTIN WERNER

Agent(s): HOWARD PHILLIP JAN; JOHN T; STEVEN W; 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 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

5) Family number: 27907558 (US6502369B)

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Title: Method of supporting plastic containers during product filling and packaging when exposed to elevated temperatures and internal pressure variations

Abstract: A method of supporting a plastic container exposed to elevated temperatures during product filling and packaging to eliminate heat and internal pressure induced distortion, internal vacuum distortion, or structural failure. Plastic containers usually have a body with exterior configuration and a sealable open mouth. The invention provides a method of hot filling, pasteurising and retort processing of conventional containers during product filling where at least a portion of the container is confined in a support casing having an interior cavity mating the exterior configuration of the container body portion. The product is then introduced into the container, and the container mouth is sealed. A positive pressure is induced within the sealed container while the container is exposed to a product processing temperature. An unsupported PET container exposed to high heat and internal pressure variations would distort or fail. However, the external mating support casing together with

positive internal pressure restrains the PET container during this period of high stress and low resistance thereby preventing distortion or failure. Afterwards, by cooling the container to a casing release temperature below the product processing temperature and then releasing the container from the casing, eliminates container distortion problems.

Classifications:

International (ipc 8-9): B65B3/02 B65B55/06

B67C3/14 (Advanced/Invention);

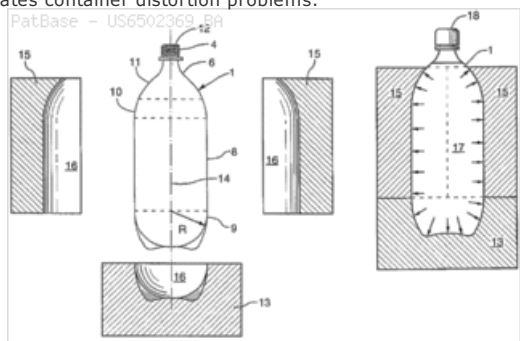
B65B3/00 B65B55/04 B67C3/02 (Core/Invention)

International (ipc 1-7): B65B31/2 B65B31/4

CPC: B65B3/022 B65B55/06 B67C3/045 B67C3/14

European: B65B3/02B B65B55/06 B67C3/04A B67C3/14

US: 53/275 53/361 53/432 53/467 53/485 53/84



Family:

Publication number	Publication date	Application number	Application date
US6502369 BA	20030107	US20000696314	20001025

Priority:

US20000696314 20001025

Probable Assignee: AMCOR TWINPAK NORTH AMERICA INC

Assignee(s): (std) AMCOR TWINPAK NORTH AMERICA IN

Assignee(s): AMCOR TWINPAK NORTH AMERICA INC

Inventor(s): (std) ANDISON DAVID ; SCHEFFER STEVEN

6) Family number: 49492573 (CN201950885U)

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Title: Easily stripped cover film with function of high-temperature-resistant polypropylene cup

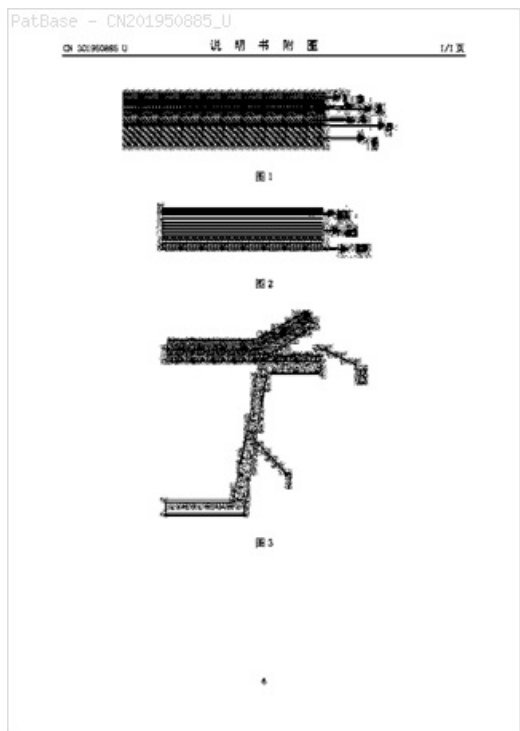
Abstract: The utility model belongs to the field of food packaging. An easily stripped cover film with the function of a high-temperature-resistant polypropylene cup comprises a printing layer polyethylene terephthalate (PET) film on which printing ink is applied and a pattern is printed, wherein the printing layer PET film on which the printing ink is applied and the pattern is printed is bonded with a barrier layer nylon film or silicon-plated polyester film and a heat-sealing layer cast polypropylene film in turn to form the easily stripped cover film; and the cast polypropylene film is produced by a three-layer co-extrusion process, and a stripping mode is cohesion stripping. The easily stripped cover film can tolerate sterilization at the high temperature of 131 degrees centigrade for 45 minutes, avoids the phenomena of layering, stripping, breaking and the like after sterilization, is fully and flatly packaged, has a good effect and moderate heat-sealing strength, is firmly sealed, is smooth and does not have unsmooth feel when stripped, and has high barrier performance and pollution resistance and longer shelf life. The easily stripped cover film is combined with the polypropylene cup to replace the conventional glass bottle and tin can high-temperature sterilization packaging products, reduces packaging cost and has a wide market prospect.

Classifications:

International (ipc 8-9): B32B27/04 B32B27/08 B32B27/16

B32B27/32 B32B27/34 B32B27/36 B32B7/12

B65D53/08 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201950885 U	20110831	CN201020666252U	20101217

Priority:

CN201020666252U 20101217

Probable Assignee: HUIZHOU BAOBO PACKAGE CO LTD

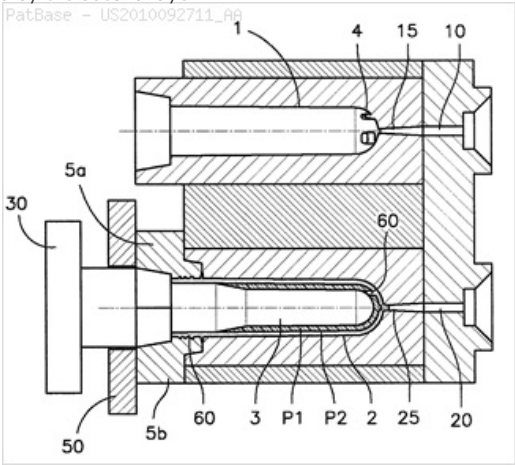
Assignee(s): (std): HUIZHOU BAOBO PACKAGE CO LTD
Assignee(s): HUIZHOU BAOBO PACKAGE CO
Inventor(s): (std): HE HUANG ; HU GAO ; CHANGHU LI ; XIAOSONG CUI
Inventor(s): CUI XIAOSONG ; GAO HU ; HUANG HE ; LI CHANGHU

7) Family number: 42410870 (US2010092711A) © PatBase

Title: MOLD AND METHOD FOR MANUFACTURING TWO-LAYERED PREFORMS BY INJECTION OVERMOLDING, AND TWO-LAYERED PREFORM

Abstract: The mold includes a first molding cavity connected to a first hot channel for supplying a primary molding material, a second overmolding cavity connected to a second hot channel for supplying an overmolding material; and a core configured to be first introduced in the first cavity for a molding operation of a first layer, and to then be introduced, with the first layer thereon, in the second cavity for an overmolding operation of a second layer. At least one supporting member is arranged to support the core with respect to the first cavity during the entire molding operation of the first layer. An opening left in the first layer by the supporting member is filled and/or covered by the second layer.

Classifications:
International (IPC 8-9): B29B11/08 B29B11/14 B29C45/12 B29C45/14 B29C45/16 B29C45/26 B29C45/36 B29C49/06 B29C49/22 B29D22/00 B29K507/04 B29K509/02 B32B1/08 B32B3/20 B65D85/80 (Advanced/Invention); B29K507/04 B29K509/02 (Advanced/Non-invention); B29C45/03 B29C45/16 B29C45/36 B29C49/06 B29C49/22 B32B3/18 B65D85/72 (Core/Invention)
CPC: B29C45/1615 B29C45/1625 B29K2995/0055 Y10T428/1352 Y10T428/1393 B29C45/1684 B29B11/08 B29B11/14 B29B2911/1402 B29B2911/14026 B29B2911/14066 B29B2911/1408 B29B2911/14086 B29B2911/141 B29B2911/14113 B29B2911/1414 B29B2911/14326 B29B2911/14333 B29B2911/144 B29B2911/1444 B29B2911/14466 B29B2911/14486 B29C45/2628 B29C45/36 B29C49/06 B29C49/221 B29K2023/12 B29K2067/00 B29K2105/253 B29K2105/258 B29K2507/04 B29K2509/02 B29K2995/0025 B29K2995/003
European: B29B11/14 B29C45/16P B29C45/36 L29B11/08 L29B911/14B2B L29B911/14B2D L29B911/14B4D L29B911/14B4F L29B911/14B4F2 L29B911/14B4H2 L29B911/14B4L2 L29B911/14B4N2 L29B911/14D10B12 L29B911/14D10D10 L29B911/14D10D4D2 L29B911/14D10D4F L29B911/14D2 L29B911/14D4 L29C45/26K L29C49/06 L29C49/22B L29K105/25C L29K105/25C6 L29K23/12 L29K507/04 L29K509/02 L29K67/00 L29K995/00E5 L29K995/00E8
US: 264/279 264/328.15 264/328.150S 425/112 425/112S 425/588 425/588S 428/35.7 428/36.91 428/36.910P



Family:

Publication number	Publication date	Application number	Application date
CA2683614 AA	20081023	CA20082683614	20080411
CN101790447 A	20100728	CN200880011543	20080411
CN102922664 A	20130213	CN201210417745	20080411
CN102922664 B	20150318	CN201210417745	20080411
DE602008022122 D1	20130411	DE200860022122T	20080411
DE602008042092 D1	20160303	DE200860042092T	20080411
EP2159031 A1	20100303	EP20080761473	20080411
EP2159031 A4	20110824	EP20080761473	20080411
EP2159031 B1	20130213	EP20080761473	20080411
EP2511064 A1	20121017	EP20120004839	20080411
EP2511064 B1	20160113	EP20120004839	20080411
US2010092711 AA	20100415	US20090575711	20091008
US2012328814 AA	20121227	US20120606155	20120907
US8551592 BB	20131008	US20120606155	20120907
WO08125698 A1	20081023	WO2007ES00202	20070411
WO08125709 A1	20081023	WO2008ES00226	20080411

Priority:

ES20070000202 20070411	WO2007ES00202 20070411	CN200880011543 20080411
EP20080761473 20080411	EP20120004839 20080411	WO2008ES00226 20080411
US20090575711 20091008	US20120606155 20120907	

Probable Assignee: MOLMASA APLICACIONES TECNICAS SL

Assignee(s): (std): ATANCE ORDEN ANGEL ; IND DE MOLDES Y MATRICES SA ; MOLMASA APLICACIONES TECNICAS ; VIRON ALAIN ; MOLMASA APLICACIONES TECNICAS S L ; MOLMASA APLICACIONES TECN S L

Assignee(s): MOLMASA APLICACIONES TECNICAS SL MONTCADA I REIXAC ; MOLMASA APLICACIONES TECNICAS SL ; MOLMASA APLICACIONES TECNICAS S L ; MOLMASA APLICACIONES TECNICAS SL ; INDUSTRIAL DE MOLDES Y MATRICES SA

Inventor(s): (std): ATANCE ORDEN ANGEL ; VIRON ALAIN ; ANGEL ATANCE ORDEN ; ALAIN VIRON

Agent(s): DOMPATENT VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWAELTEN U RECHTSANWAELTEN MBB; GISLON GABRIELE; Gislon Gabriele; TORNER LASALLE ELISABET; RATNERPRESTIA; TORNER LASALLE NURIA

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

8) Family number: 51072902 (US2012111758A) © PatBase

Abstract: An environment-friendly foamed container closure laminate with embossed tabs is composed of, from top to bottom, a stiff polymer printing layer-the top surface of a half thereof is embossed, the bottom surface is printed; a stiff polymer reinforcement layer-its half bottom surface is embossed and the stiff polymer printing layer laminated with the stiff polymer reinforcement layer is used as a tab (if no printing is necessary, the stiff polymer printing layer and the stiff polymer reinforcement layer are combined to be a tab layer); a soft polymer foam layer-used as a sealing gasket; a high melting point polymer isolation layer-to insulate the heat transfer from the electromagnetic induction heated metal layer to the soft polymer foam layer; an electromagnetic induction heatable metal layer; and a peelable thermosensitive adhesive layer; the inventive environment-friendly foamed container closure laminate with embossed tabs exhibits a good touch feeling and non-slippery fallen away and it will not stick to the soft polymer foam layer, thereby the release layer is saved and the release agent is not necessary.

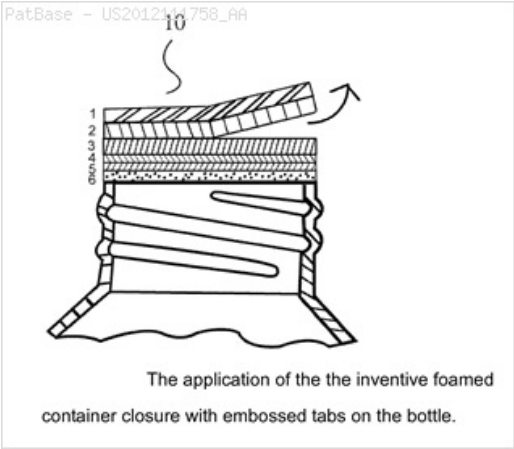
Classifications:

International (IPC 8-9): B32B5/18 B65D85/00 (Advanced/Invention)

CPC: B65D51/22 B65D2251/0015 B65D2251/0093 B65D2251/023 Y10T428/1359 Y10T428/1376 Y10T428/24851 Y10T428/28 Y10T428/2813

European: B65D51/22 L65D251/00Y2D L65D251/00Y6M L65D251/02A

US: 206/524.6 206/524.600P 215/45 428/201 428/343 428/346 428/35.9 428/36.5



Family:

Publication number	Publication date	Application number	Application date
US2012111758 AA	20120510	US20100941214	20101108
US8455071 BB	20130604	US20100941214	20101108

Priority:

US20100941214 20101108

Probable Assignee: WELL PACK IND CO LTD

Assignee(s): (std): LO NAN HU ; WELL PACK IND CO LTD

Assignee(s): WELL PACK INDUSTRIES CO LTD ; WELL PACK IND CO

Inventor(s): (std): LO NAN HU

Agent(s): MCGLEW AND TUTTLE P C ; MCGLEW AND TUTTLE PC