

Search history

Search 1: PN = EP0931728 (Results 1)
Search 2: (IC = B65D41/04) AND (PD<20150703) (Results 11723)
Search 3: 2 AND (FT = seal* NEAR (ring OR gasket)) (Results 1752)
Search 4: 3 AND (FT = tamper*) (Results 312)
Search 5: 2 AND (FT = (seal* W4 (ring OR gasket)) NEAR (elastic* OR bias* OR polymer*)) (Results 53)
Search 6: 5 AND (FT = tamper*) (Results 3)
Search 7: 4 AND (FT = metal NEAR (cap OR cover OR top OR lid)) (Results 61)
Search 8: 2 AND (FT = (elastic* OR bias* OR polymer*) NEAR (element OR member OR seal* OR stop* OR seal* OR gasket OR ring)) (Results 880)
Search 9: 7 AND (FT = (elastic* OR bias* OR polymer*) NEAR (element OR member OR seal* OR stop* OR seal* OR gasket OR ring)) (Results 13)

Title: CONTAINER PROVIDED WITH A CLOSURE.

Abstract: The fitting of removal openings of containers, made, in particular, of metal sheet, with closures made of plastic is simplified and facilitated if the edge region of the containers is pressed outwards in a tubular manner to form a container nozzle (2) and its free end (3) is reshaped, facing outwards and downwards, so that the closure (4) can be pressed into the opening of the container nozzle and can be tensioned by a pressed-on attachment ring (18) which rests with its upper side (19) against the edge flange (5) of the closure and, surrounding the collar of the container nozzle with a tubular shoulder (20), is supported against the lower edge regions (23) of said nozzle by means of an undercut (22) after being pressed on. Especially in the case of holding rings made of plastic, it has proved to be advantageous that these container nozzles, which are deformed after disadvantageous deformations of the container, and their collar can be adapted in a relatively tension-free manner and thus also still reliably maintain the required sealing even after considerable deformations.

Classifications:

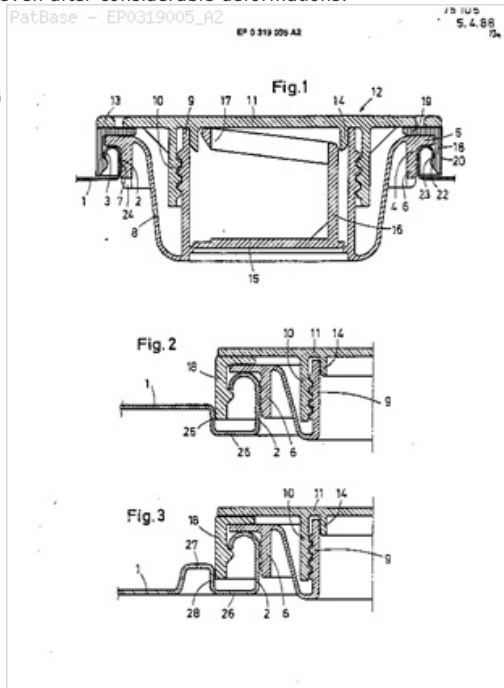
International (IPC 8-9): B65D47/06 B65D47/10 (Advanced/Invention); B65D47/06 (Core/Invention)

International (IPC 1-7): B65D41/04 B65D41/16 B65D45/30

B65D47/06 B65D47/12 B65D47/36 B65D47/6 B65D51/18 B65D51/20

CPC: B65D47/063 B65D47/103

European: B65D47/06A1 B65D47/10A



Family:

Publication number	Publication date	Application number	Application date
DE3811362 A1	19890622	DE19883811362	19880405
DE3877922 D1	19930311	DE19883877922	19881201
DE8715950 U1	19880825	DE19870015950U	19871202
DE8715950 U1	19881006	DE19870015950U	19871202
EP0319005 A2	19890607	EP19880120093	19881201
EP0319005 A3	19891108	EP19880120093	19881201
EP0319005 B1	19930127	EP19880120093	19881201
ES2037188 T3	19930616	ES19880120093T	19881201

Priority:

DE19870015950U 19871202 DE19883805241 19880219 DE19883811362 19880405
DE19883877922 19881201

Probable Assignee: HEINRICH STOLZ GMBH AND CO KG

Assignee(s): (std): HEINRICH STOLZ KG ; STOLZ HEINRICH GMBH ; STOLZ HEINRICH KG

Assignee(s): HEINRICH STOLZ KG 5908 NEUNKIRCHEN DE ; HEINRICH STOLZ 5908 NEUNKIRCHEN DE KG ; HEINRICH STOLZ GMBH AND CO KG

Inventor(s): (std): HEINRICH STOLZ KG

Inventor(s): VERZICHT DES ERFINDERS AUF NENNUNG

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

Title: Screw cap

Abstract: PCT No. PCT/EP89/01129 Sec. 371 Date May 10, 1991 Sec. 102(e) Date May 10, 1991 PCT Filed Sep. 27, 1989 PCT Pub. No. WO90/03924 PCT Pub. Date Apr. 19, 1990. A screw cap for a container that has a thread, in particular bottles, jars, and the like. A ring that incorporates at least one projection engages the thread on the container. The ring can be configured as a safety ring, i.e., that it have a lower ring section that incorporates barbs that extend from a perpendicular wall area. When the container is first opened, the barbs engage under projections on the container and burst the lower ring section off. The cap of the screw cap need incorporate no threads of any kind because of the projections of the ring.

Classifications:

International (IPC 8-9): B65D41/00 B65D41/34

B65D41/38 (Advanced/Invention);

B65D41/34 (Core/Invention)

International (IPC 1-7): B65D41/00 B65D41/04 B65D41/34

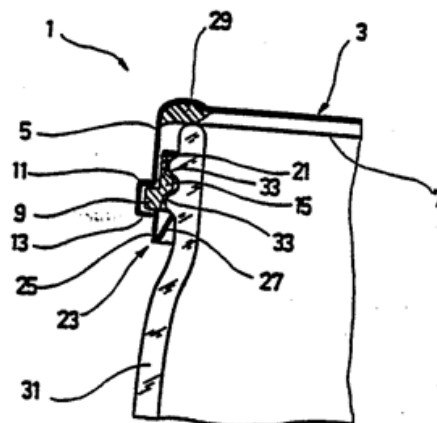
B65D41/38 B65D45/30 B65D53/02 B65D55/08

CPC: B65D41/3438

European: B65D41/34C3

US: 215/227 215/252 215/258 215/274 215/329 215/346 215/352

PatBase - US5255805_R



Family:

Publication number	Publication date	Application number	Application date
AT71906 E	19920215	AT19890117865T	19890927
AU198944203 A1	19900501	AU19890044203	19890927
CA2000229 AA	19900405	CA19892000229	19891005
DE3833945 C1	19890921	DE19883833945	19881005
DE3833945 C2	19941020	DE19883833945	19881005
DE3909857 A1	19900412	DE19893909857	19890325
DE3909858 A1	19900412	DE19893909858	19890325
DE3909858 C2	19921001	DE19893909858	19890325
DE3909858 C3	19950921	DE19893909858	19890325
DE3916958 C1	19900523	DE19893916958	19890525
DE3991146 D2	19910718	DE19893991146	19890927
DE58900762 D1	19920305	DE19895000762	19890927
EP0364775 A1	19900425	EP19890117865	19890927
EP0364775 B1	19920122	EP19890117865	19890927
EP0437526 A1	19910724	EP19890911796	19890927
ES2029106 T3	19920716	ES19890117865T	19890927
IL91854 A0	19900610	IL19890091854	19890929
JP4501246 T2	19920305	JP19890510978T	19890927
PT91908 A	19900430	PT19890091908	19891004
PT91908 B	19950809	PT19890091908	19891004
US5255805 A	19931026	US19910681491	19910510
WO9003924 A1	19900419	WO1989EP01129	19890927

Priority:

DE19883833945 19881005	DE19893909858 19890325	DE19893909857 19890325
DE19893916958 19890525	DE19893927793 19890823	EP19890117865 19890927
DE19895000762 19890927	DE19893991146 19890927	WO1989EP01129 19890927
CA19892000229 19891005		

Probable Assignee: ALCOA DEUTSCHLAND G M B H

Assignee(s): (std): ALCOA DEUTSCHLAND G M B H ; ALCOA DEUTSCHLAND GMBH ; ALCOA GMBH VERPACKWERKE

Assignee(s): PREUSS HANS JOACHIM ; DUBS HANS DIETER ; WEISS JURGEN ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE 6520 WORMS ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE 6520 WORMS DE ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE 67547 WORM ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE 67547 WORMS DE

Inventor(s): (std): WEISS JURGEN ; WEISS JUERGEN ; PREUSS HANS JOACHIM ; PREUSS HANS J ; DUBS HANS DIETER ; DUBS HANS D ; JURGEN WEISS ; HANS JOACHIM PREUSS ; HANS DIETER DUBS ; ALCOA DEUTSCHLAND GMBH VERPACK

Inventor(s): VERZICHT DES ERFINDERS AUF NENNUNG ; DUBS HANS DIETER 6520 WORMS DE ; ALCOA DEUTSCHLAND GMBH VERPACKUNGSWERKE ; PREUSS HANS JOACHIM 6521 MONSHEIM DE

Agent(s): SHAPIRO COHEN

Designated states: AT AU BE BR CH DE DK ES FI FR GB GR IT JP KR LI LU NL NO SE US

Title: Pressure venting closure

Abstract: A composite closure for a container vents internal gas pressure in excess of a pre-established maximum. An insert disk fits inside an overhanging top lip of the closure. The undersurface of the top lip is recessed to present a chamber into which excess gas pressure beneath the cover can deflect the disk and thereby provide a vent under the disk. A stop on a small area of the undersurface of the top lip positively abuts the disk to prevent blocking the chamber if the closure is overtightened.

Classifications:

International (IPC 8-9): B65D41/04 B65D51/14

B65D51/16 (Advanced/Invention);

B65D41/04 B65D51/00 B65D51/16 (Core/Invention)

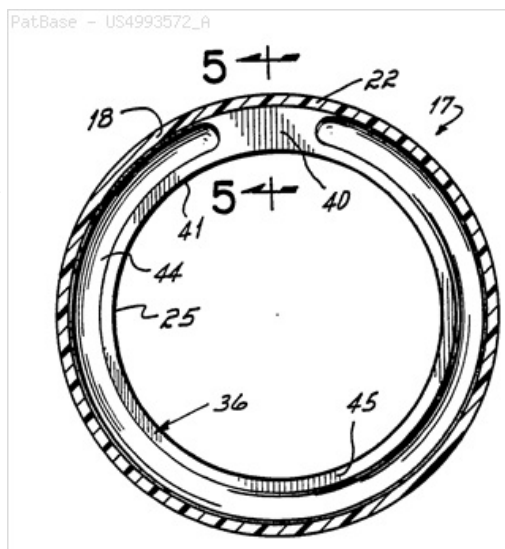
International (IPC 1-7): B65D39/12 B65D41/04 B65D45/30

B65D45/32 B65D51/16 B65D53/00 B65D53/04

CPC: B65D51/145 B65D51/1661 B65D41/04

European: B65D41/04 B65D51/14B B65D51/16D3

US: 215/252 215/260 215/274 215/276 215/350 215/351 220/203.12 220/366



Family:

Publication number	Publication date	Application number	Application date
AU199061804 A1	19910408	AU19900061804	19900817
AU199063493 A1	19910408	AU19900063493	19900816
US4993572 A	19910219	US19890401999	19890901
US5009324 A	19910423	US19900535400	19900608
US5031787 A	19910716	US19900535756	19900608
US5062538 A	19911105	US19900535114	19900608
US5078290 A	19920107	US19900566239	19900815
WO9103404 A1	19910321	WO1990US04665	19900817
WO9103406 A1	19910321	WO1990US04631	19900816

Priority:

US19890401999	19890901	US19890402211	19890901	US19900535756	19900608
US19900535114	19900608	US19900535400	19900608	US19900566239	19900815
WO1990US04631	19900816	WO1990US04665	19900817		

Probable Assignee: ANCHOR HOCKING PACKAGING

Assignee(s): (std): ANCHOR HOCKING PACKAGING COMPA ; ANCHOR HOCKING CORP ; ANCHOR HOCKING PACKAGING

Assignee(s): ANCHOR HOCKING PACKAGING CO ; ANCHOR HOCKING A CORP OF DE CORP ; CITICORP NORTH AMERICA INC ; CROWN CORK AND SEAL TECHNOLOGIES ; DEUTSCHE BANK AG ; CITICORP NORTH AMERICA INC COLLATERAL AGENT AS ; DEUTSCHE BANK NEW YORK BRANCH AGENT AG AS ; CHASE MANHATTAN BANK COLLATERAL AGENT AS ; CROWN PACKAGING TECHNOLOGY INC

Inventor(s): (std): OCHS CHARLES S

Inventor(s): CHARLES S OCHS

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

Title: CONTAINERS AND COMPOSITIONS FOR SEALING THEM

Abstract: A package formed of a wooden crate or pallet impregnated with a chlorinated phenol and/or anisole wood preservative, one or more bottles containing a potable material, such as beer, a cap on each bottle and a **sealing gasket** between the bottle and the cap. The gasket is formed of butyl rubber (20 to 80 percent by weight) and one or more thermoplastic polymers, preferably polyethylene (40 to 60 percent by weight).

Classifications:

International (IPC 8-9): B29C39/02 B29C43/18 B29C47/00 B29C47/78 B29C65/40 B65D41/00 B65D41/04 B65D41/12 B65D51/16 B65D53/00 B65D53/06 C08J5/00 C08L101/00 C08L23/06 C08L23/18 C08L23/22 C09K3/10 (Advanced/Invention); B29C39/02 B29C43/18 B29K23/00 B29K9/00 B29L31/26 C08J5/00 C09K3/10 (Advanced/Non-invention); B29C39/02 B29C43/18 B29C47/00 B29C47/78 B65D41/02 B65D41/04 B65D51/16 B65D53/00 C08J5/00 C08L101/00 C08L23/00 C09K3/10 (Core/Invention); C09K3/10 (Core/Non-invention); A23L B65B B65D C08J C12H (Subclass/Invention)
International (IPC 1-7): B21D51/46 B29C31/08 B29C39/02 B29C43/18 B29C49/04 B29C65/40 B29K9/00 B29L31/26 B65B7/28 B65D3/00 B65D41/00 B65D41/02 B65D41/12 B65D41/42 B65D53/00 B65D53/04 B65D53/06 B65D85/72 B67B1/03 C08J5/00 C08L101/00 C08L23/00 C08L23/06 C08L23/22 C08L25/08 C08L47/00 C08L53/02 C08L9/00 C09K3/10 F16J15/06
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European: B65D41/04D B65D41/12 B65D51/16D3 B65D53/06 C09K3/10 M09K200/04N M09K200/06F M09K200/06F2 M09K200/06F4 M09K200/06H M09K200/06H10 M09K200/06H2 M09K200/06H2B M09K200/06H4 M09K200/06K M09K3/10M2
US: 215/256 215/349 215/363 215/364 217/3CV 217/56 220/288 220/304 220/378 413/10 413/19 413/20 413/9 426/106 426/131 426/392 426/397 428/35.7 525/315 525/316 525/99

PatBase - NZ242940_A

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Publication number	Publication date	Application number	Application date
AT131853 E	19960115	AT19910120774T	19910605
AT132177 E	19960115	AT19910305089T	19910605
AT132523 E	19960115	AT19910305091T	19910605
AT135732 E	19960415	AT19910305090T	19910605
AT172229 E	19981015	AT19920911031T	19920603
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AU199217820 A1	19930108	AU19920017820	19920603
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DK0646158 T3	19990623	DK19920911031T	19920603
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EP0478109 B1	19951227	EP19910305089	19910605
EP0478110 A1	19920401	EP19910305090	19910605
EP0478110 B1	19960320	EP19910305090	19910605

EP0488491 A1	19920603	EP19910305091	19910605
EP0488491 B1	19960103	EP19910305091	19910605
EP0599356 A1	19940601	EP19930120774	19910605
EP0599356 B1	19951220	EP19930120774	19910605
EP0646158 A1	19950405	EP19920911031	19920603
EP0646158 B1	19981014	EP19920911031	19920603
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JP3240165 B2	20011217	JP19910273474	19910926
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KR100214294 B1	19990802	KR19930073760	19931203
KR100214294 B1	19990802	KR19930703760	19920603
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KR19947001436 A	19940528	KR19937003760	19920603
MX9101277 A1	19920504	MX19910001277	19910926
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NZ242940 A	19930826	NZ19920242940	19920528
PL167799 B1	19951130	PL19910291840	19910926
PL291840 A1	19930111	PL19910291840	19910926
PL291841 A1	19920810	PL19910291841	19910926
PL291843 A1	19920810	PL19910291843	19910926
SG64328 A1	19990427	SG19960004545	19920603
TW241236 B	19950221	TW19920104566	19920611
US5206043 A	19930427	US19910762664	19910919
US5211974 A	19930518	US19910762822	19910919
US5310797 A	19940510	US19910762663	19910919
US5955163 A	19990921	US19960739488	19961028
WO9221731 A1	19921210	WO1992GB00997	19920603
ZA9107445 A	19920624	ZA19910007445	19910918
ZA9107446 A	19920624	ZA19910007446	19910918
ZA9107447 A	19920624	ZA19910007447	19910918
ZA9203768 A	19930127	ZA19920003768	19920522

Priority:

GB19900021167 19900928	GB19900026053 19901130	GB19910001100 19910118
EP19910305090 19910605	CA19912051889 19910919	CA19912051893 19910919
CA19912051926 19910920	GB19920006701 19920327	WO1992GB00997 19920603
US19940162035 19940428	US19950442442 19950516	US19960739488 19961028

Probable Assignee: GRACE W R AND CO

Assignee(s): (std): W R GRACE AND C CONN ; GRACE W R AND CO

Assignee(s): GRACE W R AND CO CONN ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; GRACE (W R) AND CO CONN ; W R GRACE AND CO CONN ; W R GRACE AND CO ; W R GRACE AND CO CONN NEW YORK N Y US ; W R GRACE AND CO CONN NEW YORK N Y 10036 US ; WR GRACE AND CO CONN ; WHITE STEVEN ANDREW CARL

Inventor(s): (std): WHITE STEVEN ANDREW CARL FOX G ; WHITE STEVEN ANDREW ; WHITE STEVEN ; WHITE S A C ; SUCHIIBUN ANDORIYUU KAARU HOWA ; GODMANCHESTER ; WHITE STEVEN ANDREW CARL ; WHITE STEVEN A C ; STEVEN ANDREW CARL WHITE

Inventor(s): SUCHIIBUN ANDORIYUU KAARU HOWAITO ; WHITE STEVEN ANDREW CARL 1 FOX GROVE... ; S A C WHITE ; WHITE STEVEN ANDREW CARL 1 FOX GROV ; WHITE STEVEN ANDREW CARL HUNTINGDON...

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR

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

Title: Screw cap having a **tamper** resistant connection to a plastic container

Abstract: A plastic screw cap for the closure of a plastic container is provided for the closure of a container made of plastics. The screw cap has a simple configuration similar to corresponding closures for metal containers, but nevertheless ensures stable and sealed seating of the closure on the container opening. The screw cap is provided with an extension, extending radially over the side of the screw cap, which is made from a material which can be welded to the material from which the container lid is made.

Classifications:

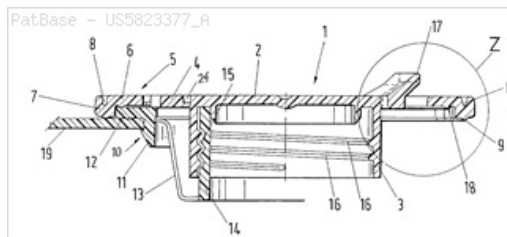
International (IPC 8-9): B65D17/32 B65D41/34 B65D47/06 B65D47/12 B65D47/36 (Advanced/Invention)

International (IPC 1-7): B65D1/02 B65D17/32 B65D17/40 B65D25/44 B65D41/04 B65D41/34 B65D47/06 B65D47/12 B65D47/36 B65D50/06 B65D50/12 B65D51/18 B65D53/02 B65D85/80

CPC: B65D47/063 B65D47/123 B65D2101/0038

European: B65D47/06A1 B65D47/12B1 L65D101/00A3C

US: 215/232 215/256 220/268 220/270 220/276 220/359 222/530 222/541.5



Family:

Publication number	Publication date	Application number	Application date
AU199516100 A1	19951005	AU19950016100	19950327
AU701488 B2	19990128	AU19950016100	19950327
BRPI9501134 A	19951024	BR1995PI01134	19950320
CA2142787 AA	19950929	CA19952142787	19950217
DE4410790 A1	19951005	DE19944410790	19940328
DE59507200 D1	19991216	DE19955007200	19950210
EP0675051 A2	19951004	EP19950101801	19950210
EP0675051 A3	19960327	EP19950101801	19950210
EP0675051 B1	19991110	EP19950101801	19950210
ES2138095 T3	20000101	ES19950101801T	19950210
JP8048357 A2	19960220	JP19950069483	19950328
US5823377 A	19981020	US19950410320	19950324

Priority:

DE19944410790 19940328 DE19955007200 19950210 CA19952142787 19950217

Probable Assignee: BERICAP GMBH AND CO KG

Assignee(s): (std): BERG JACOB GMBH CO KG ; BERICAP GMBH AND CO KG ; KRAUTKRAMER GUENTHER J

Assignee(s): YAKOBU WERK GMBH AND CO KG ; JACOB BERG GMBH AND CO KG 55257 BUDENHEIM DE ; JACOB BERG GMBH CO KG ; KRAUTKRAMER GUNTER JAKOB ; JACOB BERG GMBH ; JACOB BERG GMBH AND CO KG ; BERICAP GMBH

Inventor(s): (std): KRAUTKRAEMER GUENTHER J ; KRAUTKRAEMER GUENTHER JAKOB

Inventor(s): GUENTHER JAKOB KRAUTKRAEMER ; GUNTER JAKOB KRAUTKRAMER ; KRAUTKRAEMER GUENTHER JAKOB DIPL RER POL ; KRAUTKRAEMER GUENTHER JAKOB DIPL RER POL TECHN 5 ; KRAUTKRAMER GUENTHER J ; KRAUTKRAMER GUNTER JAKOB ; KRAUTKRAEMER GUENTHER JAKOB DIPL RER POL TECHN... ; GIYUNTAA YAKOBU KURAUTOKUREIMAA

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SHAPIRO COHEN; AVENTUM IP LAW LLP

Designated states: DE ES FR GB IT NL

Title: **TAMPER**-PROOF CLOSURE

Abstract: The invention concerns a capsule (1) for closing a container (2) provided with a neck (3). The capsule (1) comprises a cap (4) for closing the container (2) and an annular body (6), interpositioned between the cap (4) and the neck (3) of the container (2), which is solidly connected to the cap (4) and coupled by a screw coupling (18) to the neck (3). A security ring (5), connected to the annular body (6), is destined to distance therefrom by effect of raising of the annular body (6) in an axial direction, at first opening of the container (2).

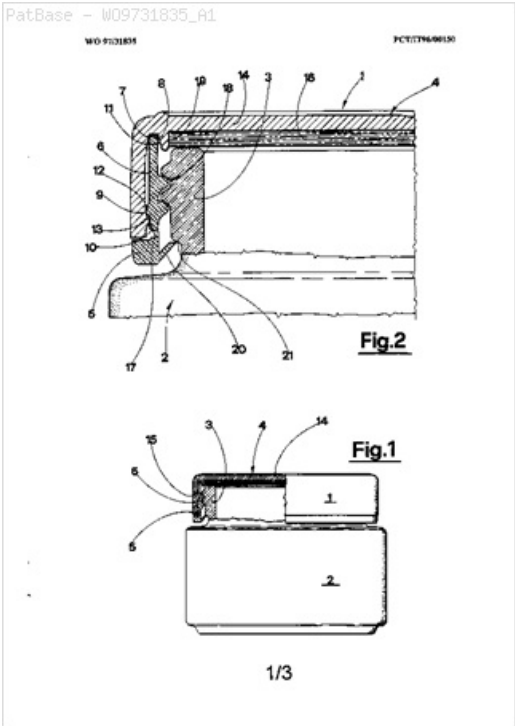
Classifications:

International (IPC 8-9): B65D41/04 B65D41/34 (Advanced/Invention); B65D41/04 B65D41/34 (Core/Invention)

International (IPC 1-7): B65D41/04 B65D41/34 B67B

CPC: B65D41/0492 B65D41/3438 B65D41/3457

European: B65D41/04G B65D41/34C3 B65D41/34D3



Family:

Publication number	Publication date	Application number	Application date
AU199666677 A1	19970916	AU19960066677	19960724
IT1287401 B1	19980806	IT1996MO00021	19960229
ITMO960021 A1	19970829	IT1996MO00021	19960229
WO9731835 A1	19970904	WO1996IT00150	19960724

Priority:

IT1996MO00021 19960229 WO1996IT00150 19960724

Probable Assignee: BORMIOLI METALPLAST SPA

Assignee(s): (std): BORMIOLI METALPLAST S P A BORM ; BORMIOLI METALPLAST SPA ; BORMIOLI METAPLAST S P A ; MORINI EMILIO

Assignee(s): BORMIOLI METALPLAST S P A BORMIOLI METALPLAST S P A ; BORMIOLI METAPLAST SPA ; BORMIOLI METALPLAST S P A BORMIOLI METALPLAST S P ; BORMIOLI METALPLAST BORMIOLI METALPLAST SPA ; BORMIOLI METALPLAST S P A

Inventor(s): (std): MORINI EMILIO ; MORINI EMILIO MORINI EMILIO

Inventor(s): EMILIO MORINI

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

Title: CONTAINER CLOSURE WIRH SEALING ELEMENT AND PROCESS AND APPARATUS FOR MAKING IT

Abstract: A composite capsule and variants thereof for closing and sealing bottles and similar containers, which is essentially composed of two elements: a rigid capsule (2) and an extensible plastic diaphragm (2), integral therewith. Various processes for making the composite capsule and variants thereof. Said composite capsule and the variants thereof may be fitted in a single step on to bottles (1) and similar containers, by using conventional sealing apparatus. The capsule may also have an axial extension in the shape of a drinking-glass (30) whose specific function is supplemented by a **tamperproof** seal function.

Classifications:

International (IPC 8-9): B21D51/46 B65D41/04 B65D41/20

B65D41/22 B65D41/26 (Advanced/Invention);

B21D51/38 B65D41/02 B65D41/04 (Core/Invention)

International (IPC 1-7): B21D51/46 B65D41/20 B65D41/22

B65D41/26 B65D51/18 B65D53/00

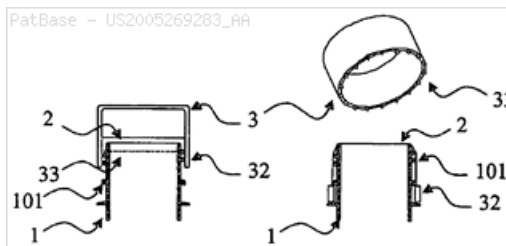
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B65D41/26

European: B21D51/46 B65D41/04D2 B65D41/04D3 B65D41/20

B65D41/22 B65D41/26

US: 215/316 215/341 220/255



Family:

Publication number	Publication date	Application number	Application date
AU2003251005 AA	20040123	AU20030251005	20030703
AU2003251005 AH	20040123	AU20030251005	20030703
CN1735539 A	20060215	CN20038021279	20030703
EP1519881 A2	20050406	EP20030762691	20030703
IN00115MN2005 A	20051021	IN2005MN00115	20050207
IN206470 B	20081017	IN2005MN00115	20050207
RU2005103589 A	20060120	RU20050103589	20030703
RU2326033 C2	20080610	RU20050103589	20030703
US2005269283 AA	20051208	US20030528297	20030703
WO04005151 A2	20040115	WO2003EP50285	20030703
WO04005151 A3	20040527	WO2003EP50285	20030703

Priority:

CH20020001198 20020708 WO2003EP50285 20030703

Probable Assignee: RIBPACK S P A

Assignee(s): (std): GUIDO RIBI ; RIBI GUIDO ; RIBI PAK S P A ; RIBPACK S P A

Assignee(s): RIBPACK SPA ; RIBI PAK SPA

Inventor(s): (std): GUIDO RIBI ; RIBI GUIDO

Agent(s): SERAFINI ASSOCIATES

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 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

Title: SEALING TEMPER-PROOF CAP

Abstract: A sealing cover particularly suitable for bottles for beverages comprises a sealing element for sealing an outlet opening of a container. Further, the sealing cover comprises a safety element which is cap-shaped, for example, and adapted to be displaced or twisted relative to the sealing element from a closed position into an opening position. Further, an indicator for indicating the opening position is provided. The indicator is arranged at an outside of the sealing element or the safety element so that the indicator or is tangible because of the change of position of the indicator upon transferring it from the closed position into the opening position.

Classifications:

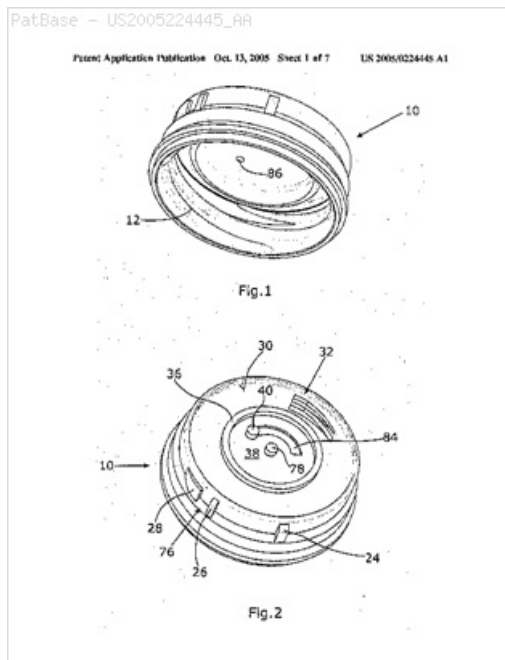
International (IPC 8-9): B65D41/04 B65D41/34 B65D50/00 B65D50/04 B65D51/16 B65D51/18 B65D51/20 B65D53/02 B65D55/02 (Advanced/Invention); B65D41/34 B65D50/04 B65D51/18 B65D55/02 (Advanced/Non-invention); B65D41/00 B65D41/04 B65D41/34 B65D50/00 B65D51/00 B65D51/16 B65D51/18 B65D53/00 B65D55/00 B65D55/02 (Core/Invention); B65D (Subclass/Invention)

International (IPC 1-7): B65D41/34 B65D50/00 B65D50/04 B65D51/16 B65D51/18 B65D51/20 B65D53/02 B65D55/02

CPC: B65D41/3419 B65D50/041 B65D51/1672 B65D51/1677 B65D53/02 B65D2101/0069 B65D2251/205 B65D41/0442 B65D55/026 B65D2101/00 B65D2203/10 B65D2205/02 B65D2251/0028 B65D2251/009 B65D51/18 B65D55/02

European: B65D41/04D1 B65D41/34A3 B65D50/04B B65D51/16E B65D51/16E1 B65D51/18 B65D53/02 B65D55/02 B65D55/02G L65D101/00 L65D101/00A4 L65D203/10 L65D205/02 L65D251/00Y2K L65D251/00Y6K L65D251/20B

US: 215/201 215/204 215/217 215/256

**Family:**

Publication number	Publication date	Application number	Application date
AU2005231651 AA	20051020	AU20050231651	20050408
BRPI0509726 A	20070925	BR2005PI09726	20050408
CA2563685 AA	20061019	CA20052563685	20050408
CN1950267 A	20070418	CN200580014720	20050408
CR8734 A	20070926	CR20060008734	20061107
EA009963 B1	20080428	EA20060001834	20050408
EA200601834 A1	20070629	EA20060001834	20050408
ECSP066974 A	20070228	EC2006SP06974	20061108
EP1584572 A1	20051012	EP20040008651	20040408
EP1748935 A2	20070207	EP20050729576	20050408
IL178584 A0	20070211	IL20050178584	20050408
IN03097KN2006 A	20070608	IN2006KN03097	20061026
JP2007532415 T2	20071115	JP20070506785T	20050408
KR20070020031 A	20070216	KR20067023429	20061108
MA28569 B1	20070502	MA20060029433	20061102
MXPA06011643 A1	20070315	MX2006PA11643	20050408
NO20065009 A	20070103	NO20060005009	20061101
RS20060557 A	20080807	RS20060000557	20050408
TH68882 A	20050525	TH20041001457	20040426
TNSN06324 A1	20080222	TN2006SN00324	20061009
TW200533568 A	20051016	TW20040112865	20040507
US2005224445 AA	20051013	US20040829472	20040421
US2007289934 AA	20071220	US20050547990	20050408
WO05097614 A2	20051020	WO2005EP51568	20050408
WO05097614 A3	20051215	WO2005EP51568	20050408
ZA200609070 A	20080925	ZA20060009070	20050408

Priority:

EP20040008651 20040408 EP20044008651 20040408 EP20040024757 20041018
 WO2005EP51568 20050408 EP20050729576 20050408

Probable Assignee: FAMART DISTRIBUTION NV

Assignee(s): (std): FAMART DISTRIB CO N V ; FAMART DISTRIB N V ; FAMART DISTRIB NV ; GANCIA CARLO VITTORIO VALLARIN ; GANCIA CARLO V V

Assignee(s): FAMART DISTRIBUTION CO NV ; GANCIA CARLO VITTORIO VALLARINO ; FAMART DISTRIBUTION N V ; FAMART DISTRIBUTION CO N V ; FAMART DISTRIBUTION NV

Inventor(s): (std): GANCIA CARLO V V ; GANCIA CARLO VITTORIO VAALLARINO ; GANCIA CARLO VITTORIO VALLARIN ; GANCIA CARLO VITTORIO VALLARINO ; VALLARIN GANCIA CARLO VITTORIO

Inventor(s): GANCIA CARLO VITTORIA VALLARINO ; GANCIA CARLO ; CARLO VITTORIO VALLARINO GANCIA ; GANCIA CARLO VV ; GANCIA CURLO VITTORIO VALLARINO

Agent(s): FB RICE; FB RICE PTY LTD; OGILVY RENAULT LLP SENCRL SRL; PAUL D GREELEY ESQ OHLANDT GREELEY RUGGIERO AND PERLE LLP; OHLANDT GREELEY RUGGIERO AND PERLE 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
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KG KM 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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ
VC VN YU ZA ZM ZW

Title: CONTAINER CLOSURE ASSEMBLY

Abstract: An assembly comprising a container and a closure. The container has a neck, the neck having an interior surface and an exterior surface, the exterior surface having (a) a thread(s), (b) at least two sets of sloping teeth. The closure has (a) a top wall; (b) a side wall having an interior surface, an exterior surface, an upper portion, and a lower portion; (c) a thread(s) on the interior surface of the side wall; (d) a **tamper**-indicating band having an interior surface, an exterior surface, an upper edge, and a lower edge, the upper edge of said **tamper**-indicating band attached to the lower portion of the side wall by a plurality of rupturable bridges; and (e) a plurality of tabs attached to the lower edge of the **tamper**-indicating band, each of the tabs having an interior surface and an exterior surface, the exterior surface of each of the tabs bearing at least one sloping tooth, each of the tabs being foldable to contact the interior surface of the **tamper**-indicating band, whereby, when folded, the at least one sloping tooth on each tab faces toward the axis of the side wall. When the tabs are folded, the sloping teeth on the tabs of the closure, partially engage with the sloping teeth on the exterior surface of the neck of the container.

Classifications:

International (ipc 8-9): B23P19/04 B65B7/28 B65D B65D41/02

B65D41/04 B65D41/32 B65D41/34 B65D50/00 B65D51/00

B65D51/14 (Advanced/Invention);

B65D41/32 (Advanced/Non-invention);

B23P19/04 B65B7/28 B65D41/02 B65D41/04 B65D41/32

B65D41/34 (Core/Invention);

B65D41/04 B65D51/14 (Core/Non-invention);

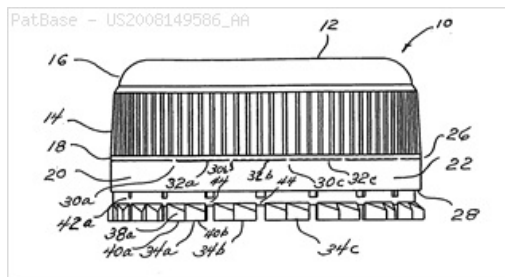
B65D (Subclass/Invention)

International (ipc 1-7): B65D41/00 B65D41/32

CPC: B65D41/3428 Y10T29/53 B65D41/3409 B65D41/045

European: B65D41/04D2 B65D41/34A1 B65D41/34C1

US: 215/252 215/256 215/329 215/329S 215/44 215/44S 220/266 29/700 29/700S

**Family:**

Publication number	Publication date	Application number	Application date
AR064649 AA	20090415	AR2007P105817	20071221
AU2007340086 AA	20080710	AU20070340086	20071213
CA2672864 AA	20090616	CA20072672864	20071213
CA2672864 C	20150127	CA20072672864	20071213
DE602007026462 D1	20130103	DE200760026462T	20071213
DK2097332 T3	20130211	DK20070865634T	20071213
ECSP099542 A	20090828	EC2009SP09542	20090724
EP2097332 A2	20090909	EP20070865634	20071213
EP2097332 B1	20121031	EP20070865634	20071213
ES2394527 T3	20130201	ES20070865634T	20071213
HK1133627 A1	20100401	HK20100101082	20100129
HK1133627 A1	20130621	HK20100101082	20100129
HK1133627 B	20130621	HK20100101082	20100129
JP2010514637 T2	20100506	JP20090544165T	20071213
JP5258789 B2	20130807	JP20090544165T	20071213
MX20090006962 A1	20090709	MX20090006962	20071213
MY147162 A	20121114	MY20070002312	20071221
NZ577753 A	20120224	NZ20070577753	20071213
SA2758 B1	20110918	SA20070280714	20071229
TH95495 A	20090430	TH20071006698	20071225
TW200835629 A	20080901	TW20070150028	20071225
TWI498258 B	20150901	TW20070150028	20071225
US2008149586 AA	20080626	US20060645425	20061226
US2008264894 AA	20081030	US20070955181	20071212
US7891510 BB	20110222	US20070955181	20071212
WO08082906 A2	20080710	WO2007US87395	20071213
WO08082906 A3	20081002	WO2007US87395	20071213

Priority:

US20060645425 20061226

US20070955181 20071212

EP20070865634 20071213

WO2007US87395 20071213

Probable Assignee: ABBOTT LABORATORIES

Assignee(s): (std): ABBOTT LAB ; LOUGHRIN THOMAS D ; ROGERS KRISTI L ; STOKESBURY ELWOOD L

Assignee(s): ABBOTT LABORATORIES ; ABBOTT LABORATORIES ABBOTT PARK ; ABBOTT LABORATORIESUS

Inventor(s): (std): ROGERS KRISTI L ; ROGERS KRISTY L ; STOKESBURY ELWOOD L ; LOUGHRIN THOMAS D

Inventor(s): STOKESBURY ELWOOD L GALENA ; THOMAS D LOUGHRIN ; ROGERS KRISTI L SUNBURY ; ELWOOD L STOKESBURY ; KRISTI L ROGERS ; LOUGHRIN THOMAS D COLUMBUS

Agent(s): SPRUSON AND FERGUSON; MBM INTELLECTUAL PROPERTY LAW LLP; SCHIEBER FARAGO; MODIANO MICAELA NADIA; UNGRIA JAVIER; ELLA CHEONG HONG KONG LTD; KANAYAMA MASATAKA; TSUBOKURA MICHIAKI; OSAKI KATSUMASA; KAWAGUTI AND PARTNERS; ONO MAKOTO; PAUL D YASGER ABBOTT LABORATORIES; WILLIAM J; BRAINARD THOMAS D

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: METHOD FOR MANUFACTURING CAP

Abstract: A method for manufacturing a cap, which can insert a sheet member easily into a predetermined position of an upper part inside a cap body, without causing deformation to the sheet member or the cap body. The sheet member does not separate when a container is brought to reduced pressure. An annular protruding portion protruding on a lower surface side is formed in an annular flat region of a sheet member of an inside plug. After or at the same time that the sheet member is inserted into and installed at a predetermined position within a cap body, the annular protruding portion is pressed axially toward a top panel wall and deformed so as to become close to a flat shape, to enlarge the outer diameter of the sheet member. The inside plug is thereby held to be inseparable from inside a skirt wall and to be axially movable.

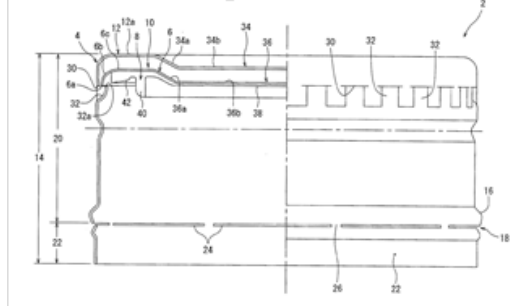
Classifications:

International (IPC 8-9): B21D39/00 B21D51/44 B21D51/46
B21D51/50 B21J5/00 B23P11/00 B65D39/00 B65D41/04 B65D41/14
B65D41/16 B65D41/18 B65D41/28 B65D41/34 B65D43/08
B65D53/00 B65D53/04 B65D53/06 F16J13/02 (Advanced/Invention);
B65D53/00 (Core/Invention)

CPC: B21D51/44 B21J5/00 B21D39/00 B21D51/46 B21D51/50
B65D41/145 B65D41/34 B65D41/348 B65D53/00 Y10T29/49845

US: 29/437

PatBase - US2015135508_AA



Family:

Publication number	Publication date	Application number	Application date
■ CN104245531 A	20141224	CN201380017886	20130305
■ CN104245531 B	20151230	CN201380017886	20130305
■ EP2832657 A1	20150204	EP20130769172	20130305
■ EP2832657 A4	20151125	EP20130769172	20130305
■ JP2013209100 A2	20131010	JP20120078947	20120330
■ JP2014104982 A2	20140609	JP20120256738	20121122
■ JP5501398 B2	20140521	JP20120078947	20120330
■ JP5513593 B1	20140604	JP20120256738	20121122
■ KR101865992 B1	20180608	KR20147030178	20130305
■ KR20140142735 A	20141212	KR20147030178	20130305
■ TH148450 A	20160404	TH20141005869	20140930
■ US2015135508 AA	20150521	US20130387723	20130305
■ US10065233 BB	20180904	US20130387723	20130305
■ WO13146116 A1	20131003	WO2013JP55939	20130305

Priority:

JP20120078947 20120330 JP20120256738 20121122 WO2013JP55939 20130305
WO2013JP55939 20140930

Probable Assignee: NIPPON CLOSURES CO LTD

Assignee(s): (std): NIPPON CLOSURES CO LTD

Assignee(s): NIPPON CLOSURES CO

Inventor(s): (std): ICHIMURA KATSUHIITO ; ICHIMURA KATSUTO ; KUMADA MITSUO ; KUMATA MITSUO

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; GREENBLUM AND BERNSTEIN PLC; ONO HISAZUMI 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 IS IT 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