

25 Documents

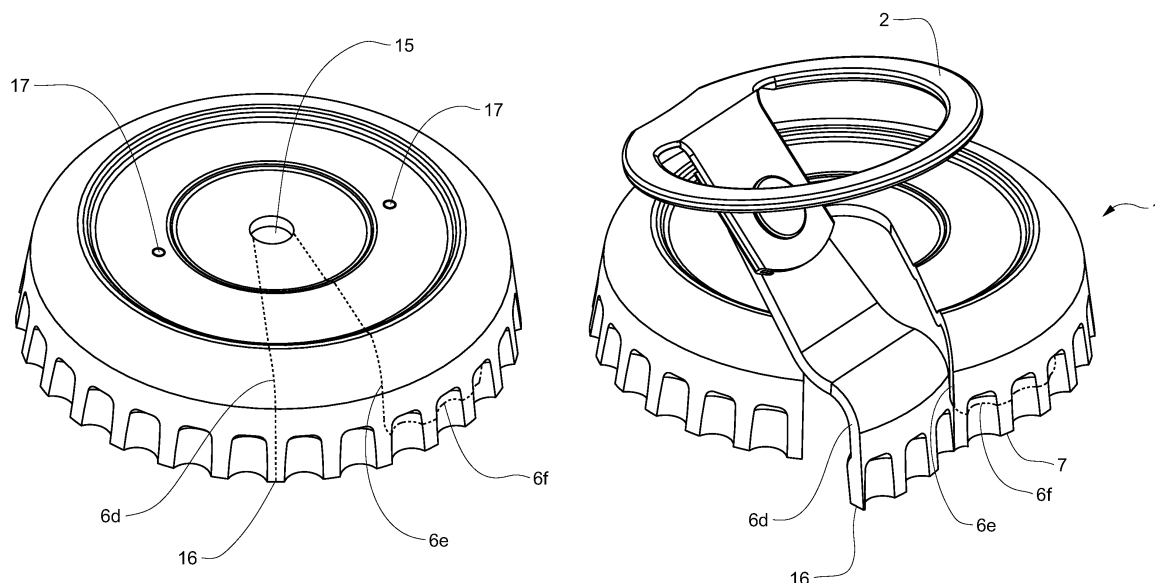
Publication numbers	Title	Current assignees
WO200935472 A1	Laser beam scanned display apparatus and method thereof	WORLD BOTTLING CAP
US20150157535 A1	Medical vial cap	WORLD BOTTLING CAP
US3522899 A	Easy open means for bottles and the like	REYNOLDS METALS
WO200781349 A1	Easy-pull bottle cap	SWEENEY KATHLEEN, ...
TW201522168 A	Bottle crown with opener assembly	WORLD BOTTLING CAP
SE8604926 D0	Tear-off container closure	WICANDERS
US2327455 A	Padless crown cap	CONTINENTAL CAN
US2233904 A	Bottle cap	WAGNER WILLIAM G
BE-503394 A		
USRE28862 E	Easy open means for bottles and the like	OWENS ILLINOIS
GB-599704 A	Improvements in crown caps or like closures for containers	CROWN CORK & SEAL
CN201321197U Y	Lever type easy pull crown cap	YUNNAN TIN HUIQIANG METAL PRODUCT
WO200374381 A1	Plastic lid and can	BRASILATA EMBALAGENS METALICAS
US20020195415 A1	Bottle cap	PORTOLA ALLIED TOOL, ...
WO200026104 A1	Cap with angled upper skirt	PORTOLA PACKAGING
GB8919561 D0	Container lid with a tear skirt	PLASTICAN
US4066180 A	Frangible cap for bottles	SANCHEZ ALEJANDRO C
US3480173 A	Composite closure	OWENS ILLINOIS
BE-655241 A	Three-piece easy opening crown cap closure	CONTINENTAL CAN
US3207350 A	Sealing closure for a crown-type bottle	GRAHAM HAZEN B, ...
US3122253 A	Seal	WANDA L PRATT
DE1038934 B	Flaschenverschluss aus Metall mit elastischer Dichtungsschicht	ALFONS ISELE AREGGER
US1639857 A	Bottle cooler	WILLIAM PLANSKI
US-800867 A	Bottle-stopper.	WILLIAM A RINCKHOFF
FR-322592 A	Perfectionnements dans les capsules pour cacheter les bouteilles	ABBOTT NATHANIEL BATCHELDER

Family 1/25 - FAMPAT - ©Questel

Title

(EP2788814)

Laser beam scanned display apparatus and method thereof

Images**Publication data including kind & date**

WO2009035472	A1	2009-03-19	WO200935472
US20100200534	A1	2010-08-12	US20100200534
US20110024381	A1	2011-02-03	US20110024381
US8276773	B2	2012-10-02	US8276773
US8365940	B2	2013-02-05	US8365940
CA2851191	A1	2013-04-11	CA2851191
CA2851232	A1	2013-04-11	CA2851232
WO2013052219	A1	2013-04-11	WO201352219
WO2013052194	A1	2013-04-11	WO201352194
US20130135589	A1	2013-05-30	US20130135589
CA2854442	A1	2013-06-06	CA2854442
WO2013082326	A1	2013-06-06	WO201382326
WO2013081638	A1	2013-06-06	WO201381638
CN203047736	U	2013-07-10	CN203047736U
CN103237737	A	2013-08-07	CN103237737
IN0757/DELNP/2014	A	2014-03-14	IN2014DN00757
IN0758/DELNP/2014	A	2014-03-21	IN2014DN00758
AU2012319100	A1	2014-04-17	AU2012319100
AU2012319036	A1	2014-04-17	AU2012319036
CO6930333	A2	2014-04-28	CO6930333
BR112014008148	A1	2014-05-27	BR112014008148
BR112014008140	A1	2014-05-27	BR112014008140
IL231899	A	2014-05-28	IL-231899
IL231898	A	2014-05-28	IL-231898
KR20140072154	A	2014-06-12	KR20140072154
KR20140072153	A	2014-06-12	KR20140072153
IN2471/DELNP/2014	A	2014-06-13	IN2014DN02471



EP2748081	A1	2014-07-02	EP2748081				
EP2748080	A1	2014-07-02	EP2748080				
CN103959136	A	2014-07-30	CN103959136				
KR20140096383	A	2014-08-05	KR20140096383				
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EA201400403	A1	2015-02-27	EA201400403				
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EP2763905	A4	2015-03-18	EP2763905				
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CN103237737	B	2016-08-03	CN103237737B				
US20160251123	A1	2016-09-01	US20160251123				
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US9592936	B2	2017-03-14	US9592936				
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US20170183132	A1	2017-06-29	US20170183132				
MX350035	B	2017-08-24	MX-350035				
PL2763905	T3	2017-11-30	PL2763905				
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MX352782	B	2017-12-08	MX-352782				
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EA029763	B1	2018-05-31	EA--29763				
CA2851191	C	2018-06-05	CA2851191				
CA2851232	C	2018-06-05	CA2851232				
IL231899	B	2018-07-31	IL-231899				

Abstract

(EP2788814)

Generally, near seamless electronics displays may be employed in cinema and exhibition applications. Laser scanned displays may be enabled such that the display may display three dimensional. ("3D") content A first method, to enable a laser scanned display for 3D content may employ polarization, with or without polarization conversion and -another method may employ multiple colors. Additionally, the envelope function that may be employed across the display may be achieved by changing laser power as a beam is scanned on the screen of by changing the dwell time of the laser beam on the pixels. One method of minimizing the effects of seams in the screen may be to reduce the screen resolution near tire seams by screen design and/or laser beam dwell time or illumination energy.

Inventors

CURTIS KEVIN

SHARP GARY D

SCHUCK MILLER H

Latest standardized assignees - inventors removed

WORLD BOTTLING CAP

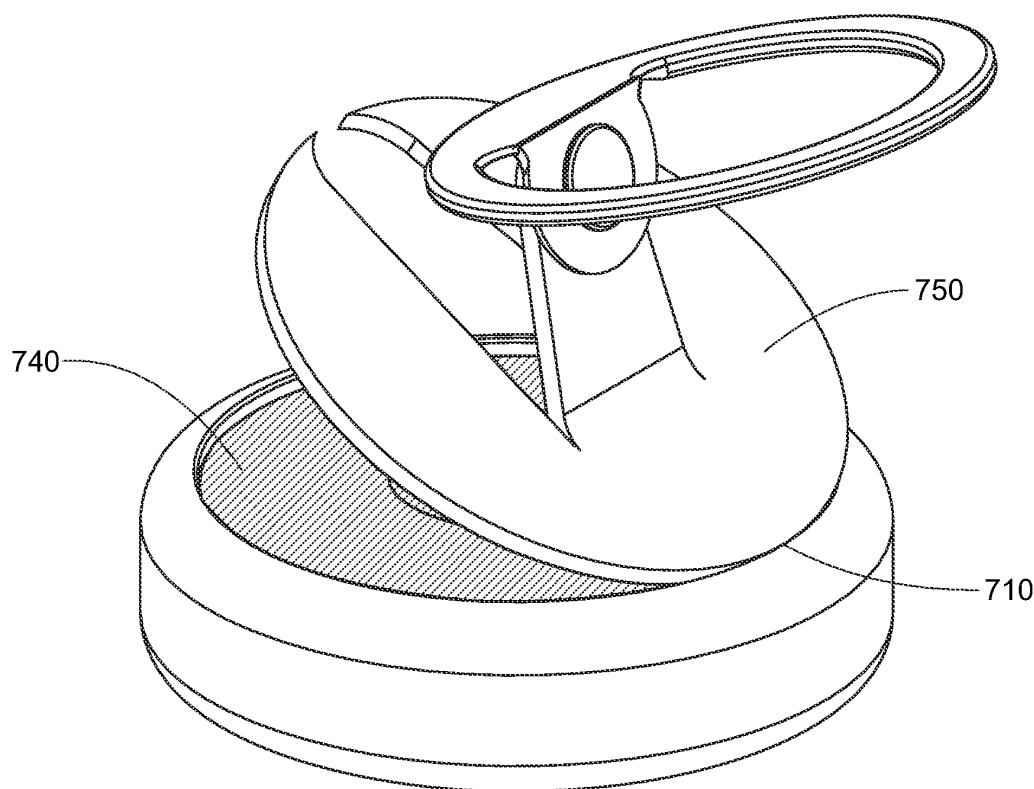
Family 2/25 - FAMPAT - ©Questel

Title

(US9649254)

Medical vial cap

Images

**Publication data including kind & date**

US20150157535	A1	2015-06-11	US20150157535
US9649254	B2	2017-05-16	US9649254

**Abstract**

(US9649254)

A crown, for a medical vial opening, has a top portion and a skirt surrounding the top portion. The skirt terminates at a lower edge defined in a first horizontal plane. An opener assembly is mounted to a portion of the top. A first scoring line extends from the portion of the top to which the opener assembly is mounted to the lower edge of the skirt in a continuous radial direction, and a second scoring line provides an upper radial segment extending from the opener assembly to the skirt along a radial axis, and a lower annular segment that extends circumferentially along the skirt in an annular direction and extending from a terminus of the upper radial segment. The lower annular segment is defined in a second horizontal plane equidistant to the first horizontal plane associated with the lower edge of the skirt.

Inventors

FRISHMAN ABE

Latest standardized assignees - inventors removed

WORLD BOTTLING CAP

Family 3/25 - FAMPAT - ©Questel

Title

(US3522899)

Easy open means for bottles and the like

Images

Aug. 4, 1970

F. A. SIEMONSEN ET AL

3,522,899

EASY OPEN MEANS FOR BOTTLES AND THE LIKE

Filed Feb. 3, 1969

3 Sheets-Sheet 1

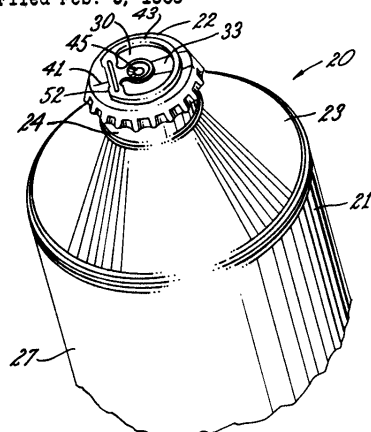


FIG. 1

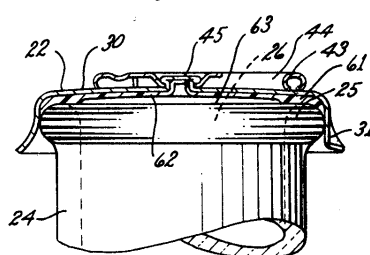


FIG. 2

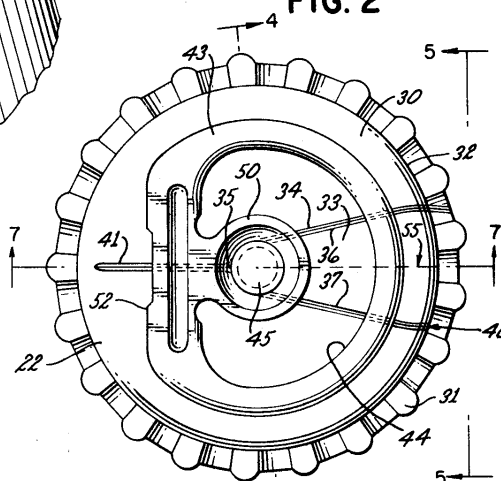


FIG. 3

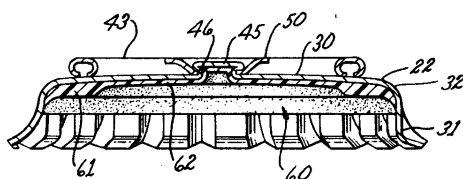


FIG. 4

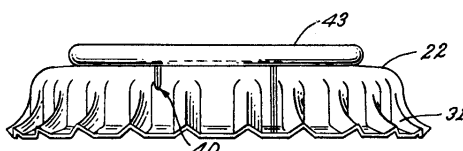


FIG. 5

INVENTORS
FREDERIK A. SIEMONSEN
ALFRED L. GARRIQUES

BY *Glenn, Palmer, Lyne,
Gibbs & Thompson*

THEIR ATTORNEYS

Publication data including kind & date

US3522899

A 1970-08-04 US3522899



Inventors

SIEMONSEN FREDERIK A

GARRIQUES ALFRED L

Latest standardized assignees - inventors removed

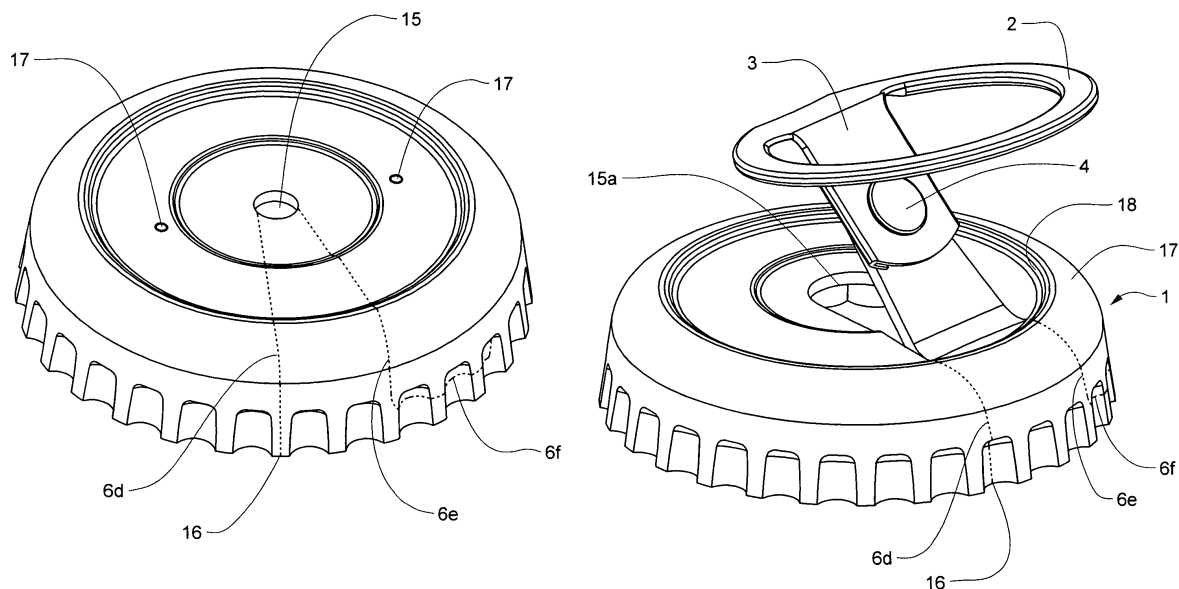
REYNOLDS METALS

Family 4/25 - FAMPAT - ©Questel

Title

(WO200781349)

Easy-pull bottle cap

Images**Publication data including kind & date**

WO2007081349	A1	2007-07-19	WO200781349
US20070181526	A1	2007-08-09	US20070181526
US8061544	B2	2011-11-22	US8061544
US20120261380	A1	2012-10-18	US20120261380
US8608006	B2	2013-12-17	US8608006

**Abstract**

(WO200781349)

A crown 1 for a bottle, the crown 1 comprised of pull tab ring 2 and pull tab 3 secured to crown 1 by rivet 4 and one or more cut lines 6 between rivet 4 and rim 7. The depth of at least one of the cut lines 6 varies to form a tearing groove.

Inventors

FRISHMAN ABE

Latest standardized assignees - inventors removed

SWEENEY KATHLEEN

SWEENEY BART

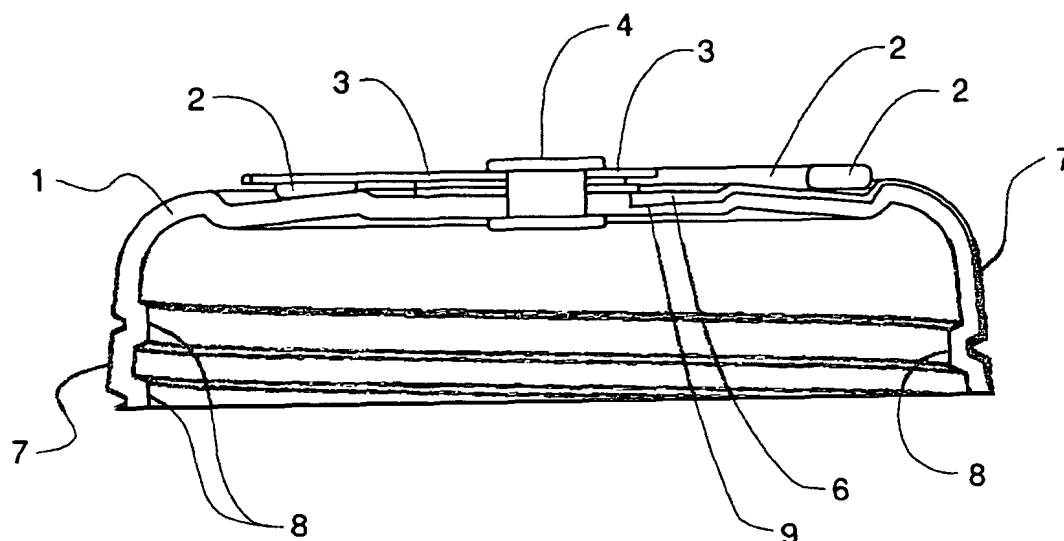
Family 5/25 - FAMPAT - ©Questel

Title

(WO2015147889)

Bottle crown with opener assembly

Images



Publication data including kind & date

TW201522168	A	2015-06-16	TW201522168
US20150274353	A1	2015-10-01	US20150274353
WO2015147889	A1	2015-10-01	WO2015147889
US9533800	B2	2017-01-03	US9533800
US20170101215	A1	2017-04-13	US20170101215
TWI589494	B	2017-07-01	TWI589494



Abstract

(WO2015147889)

A crown for a bottle or other container has a top portion and an annular skirt that descends contiguously from the top portion. An opener assembly and an arrangement of frangible scoring lines on the crown allow for ease of opening the bottle or container. Corrugated embodiments provide material strengthening for a reduced gauge crown.

Inventors

FRISHMAN ABE

Latest standardized assignees - inventors removed

WORLD BOTTLING CAP

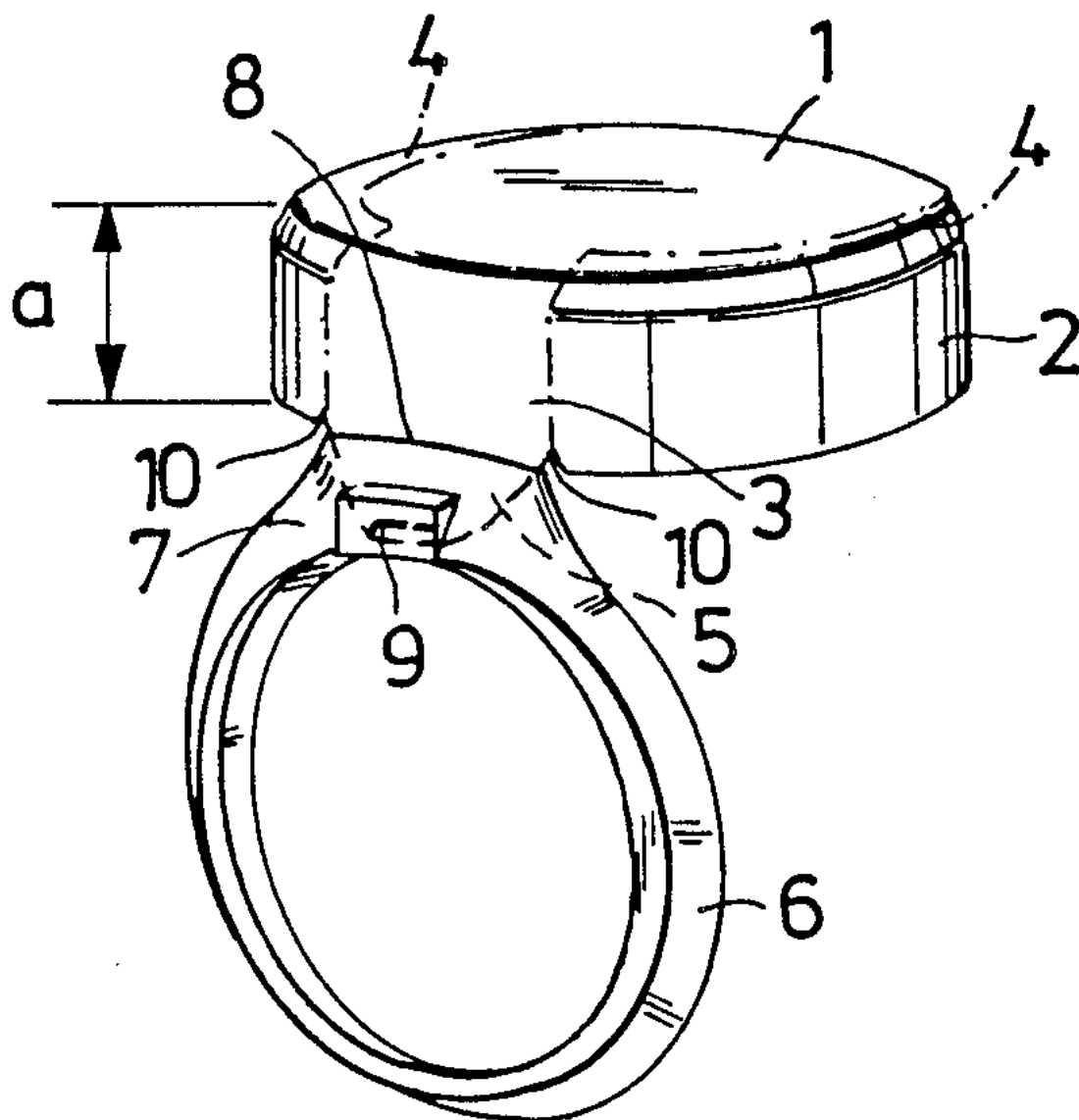
Family 6/25 - FAMPAT - ©Questel

Title

(US4768667)

Tear-off container closure

Images



Publication data including kind & date

SE8604926	D0	1986-11-18	SE8604926
SE8704321	D0	1987-11-05	SE8704321
IT8722646	D0	1987-11-13	IT8722646
NO874776	D0	1987-11-16	NO8704776
DK600487	D0	1987-11-16	DK8706004
FI875073	A0	1987-11-17	FI8705073
GB8725464	D0	1987-12-02	GB8725464
GR871730	B	1988-03-14	GR-871730
IL84349	A	1988-04-29	IL--84349
FI875073	A	1988-05-18	FI8705073
NO874776	A	1988-05-18	NO8704776
DK600487	A	1988-05-18	DK8706004
SE8704321	L	1988-05-18	SE8704321
DE3737467	A1	1988-05-19	DE3737467
FR2606746	A1	1988-05-20	FR2606746
AU8087487	A	1988-06-02	AU8780874
JPS63138957	A	1988-06-10	JP63138957
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GB2198422	A	1988-06-15	GB2198422				
NL8702737	A	1988-06-16	NL8702737				
BR8706155	A	1988-06-21	BR8706155				
CN87107297	A	1988-06-22	CN87107297				
KR19880006096	A	1988-07-21	KR19880006096				
US4768667	A	1988-09-06	US4768667				
PT86141	A	1988-12-15	PT--86141				
ES2008326	A6	1989-07-16	ES2008326				
PH23696	A	1989-09-27	PH--23696				
CN1005704	B	1989-11-08	CN1005704B				
AU594524	B2	1990-03-08	AU-594524				
BE1001837	A5	1990-03-20	BE1001837				
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FR2606746	B1	1990-06-22	FR2606746				
IT1223131	B	1990-09-12	IT1223131				
CH675570	A5	1990-10-15	CH-675570				
GB2198422	B	1990-11-14	GB2198422				
CA1278538	C	1991-01-02	CA1278538				
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ATA299287	A	1991-12-15	AT8702992				
KR920001349	B1	1992-02-11	KR920001349				
MX163231	B	1992-03-20	MX-163231				
IN170356	B	1992-03-21	IN-170356				
NO169707	B	1992-04-21	NO-169707				
DK162709	C	1992-04-27	DK-162709C				
AT394837	B	1992-06-25	AT-394837				
NO169707	C	1992-07-29	NO-169707				
FI89031	B	1993-04-30	FI--89031				
SE469592	B	1993-08-02	SE-469592				
FI89031	C	1993-08-10	FI--89031				
JPH0617143	B2	1994-03-09	JP94017143				
JPH0617142	B2	1994-03-09	JP94017142				
AR246040	A1	1994-03-30	AR-246040				
JP1889243	C	1994-12-07	JP1889243				
JP1889235	C	1994-12-07	JP1889235				

Abstract

(US4768667)

A tear-off container closure, such as a cap for sealing bottles, has an upper covering panel, a cylindrical cap skirt, a tear-off strip defined by score lines in the covering plate and cap skirt. The strip continues as (a) a tongue protruding outside the cap skirt and (b) a pulling member joined to the tongue of the tear-off strip. The pulling member includes a connecting portion, made of plastic. This connecting portion is joined to the tongue of the tear-off strip to form a joint between tongue and connecting portion which joint is resistant to tensile and torsional stress. The outwardly directed side of the joint is also provided with a protruding spacer, the upper operative surface of which is spaced from the root of the tongue by a distance substantially less than the height of the cap skirt.

Inventors

MAGNUSSON SVEN-AKE

Latest standardized assignees - inventors removed

WICANDERS

Family 7/25 - FAMPAT - ©Questel

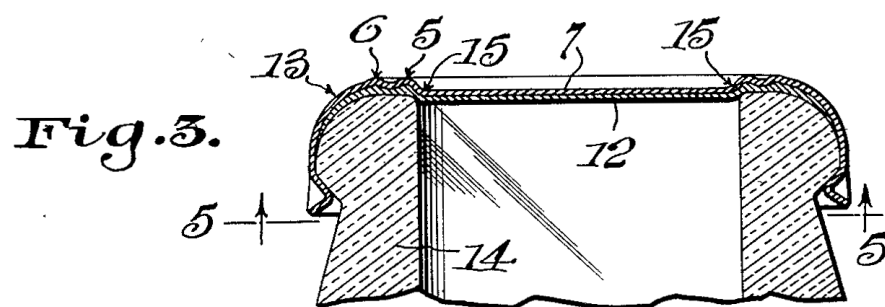
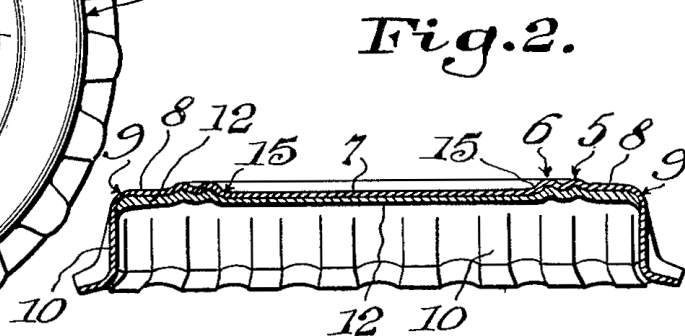
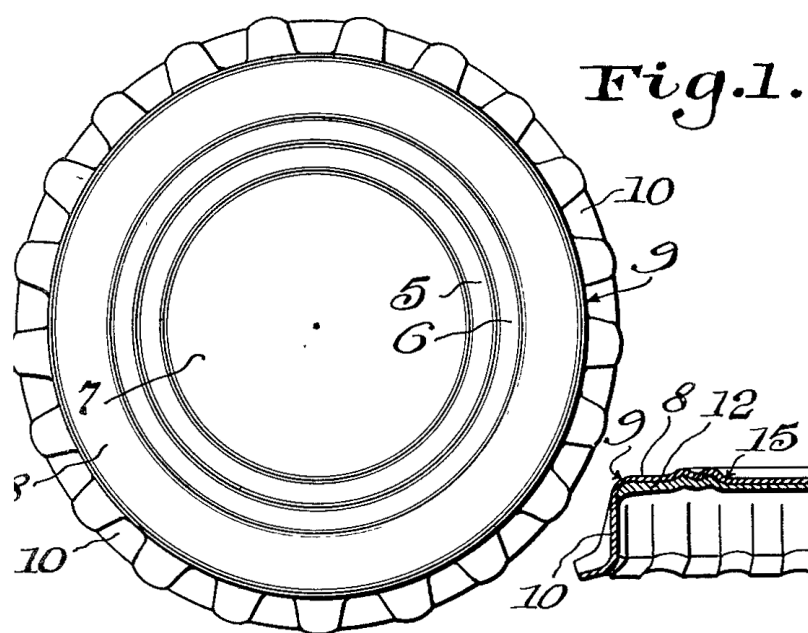
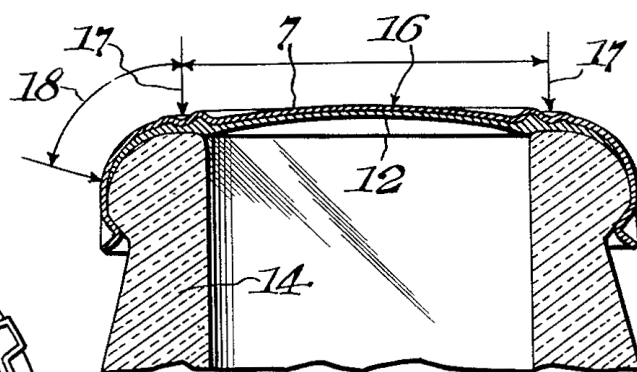
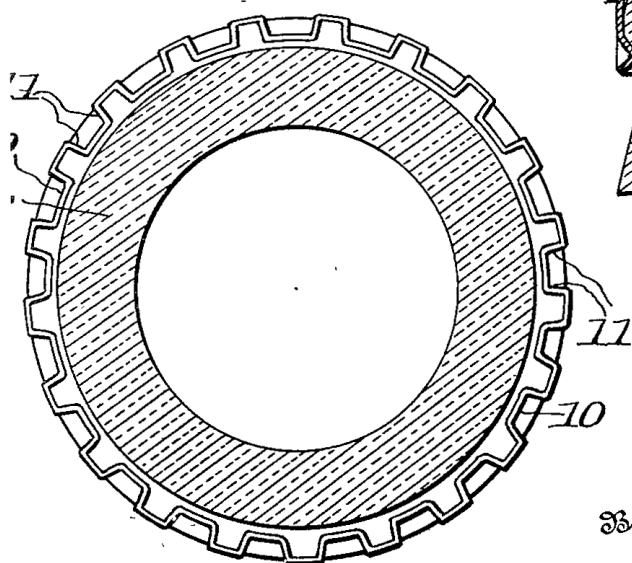
Title

(US2327455)

Padless crown cap

Images

Filed Sept. 19, 1940

**Fig. 5.****Fig. 4.**

Inventor

W. F. Punte

By

Mason & Porter

Attorneys

Publication data including kind & date

US2327455

A 1943-08-24 US2327455

Inventors

PUNTE WILLIAM F



Latest standardized assignees - inventors removed

CONTINENTAL CAN

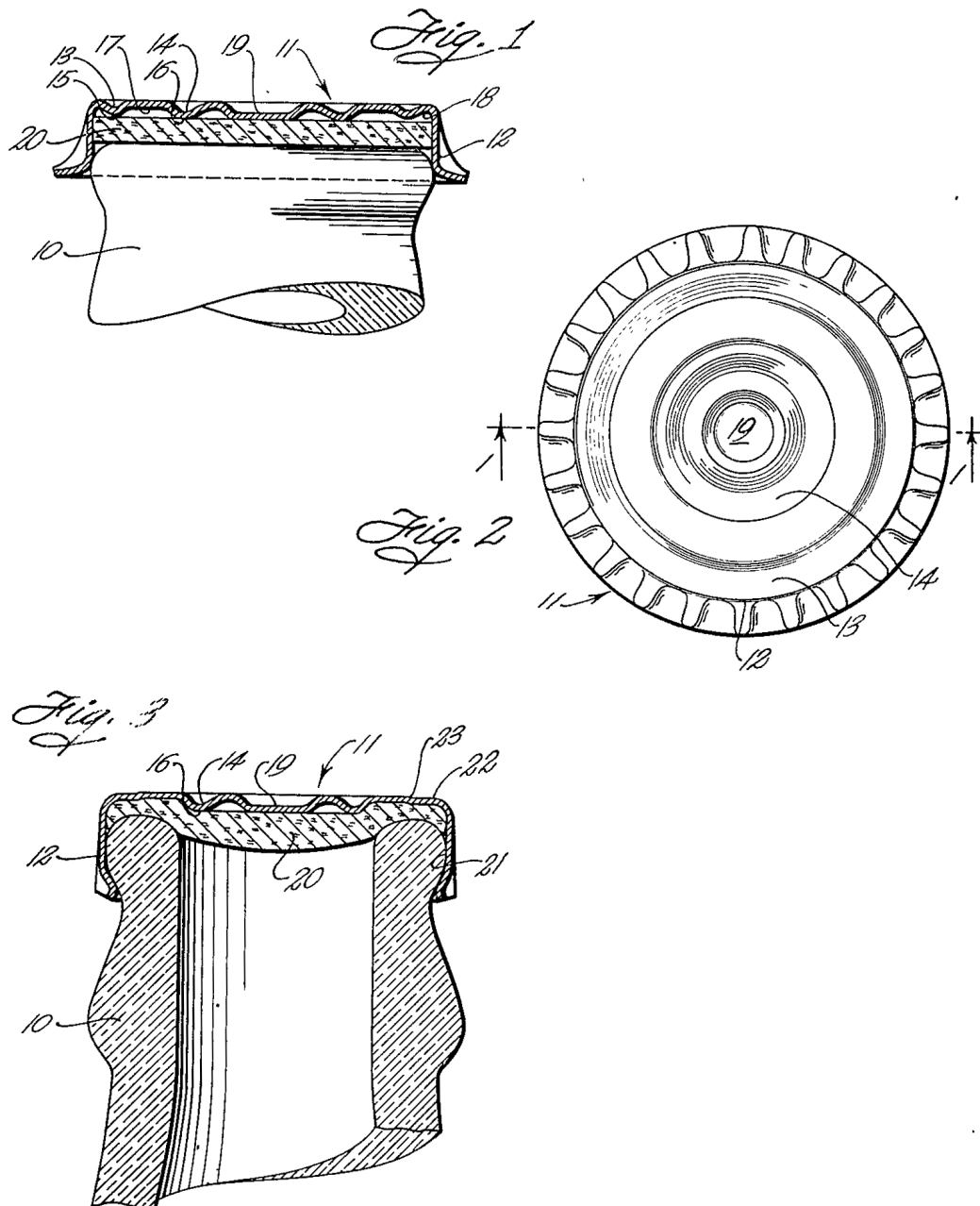
Family 8/25 - FAMPAT - ©Questel

Title

(US2233904)

Bottle cap

Images



Inventor
WILLIAM G. WAGNER
By Hazard & Miller
Attorneys

Publication data including kind & date

US2233904

A

1941-03-04

US2233904



Inventors

WAGNER WILLIAM G

Family 9/25 - FAMPAT - ©Questel

Publication data including kind & date

BE503394

A 0

BE-503394



Family 10/25 - FAMPAT - ©Questel

Title

(USRE28862)

Easy open means for bottles and the like

Images

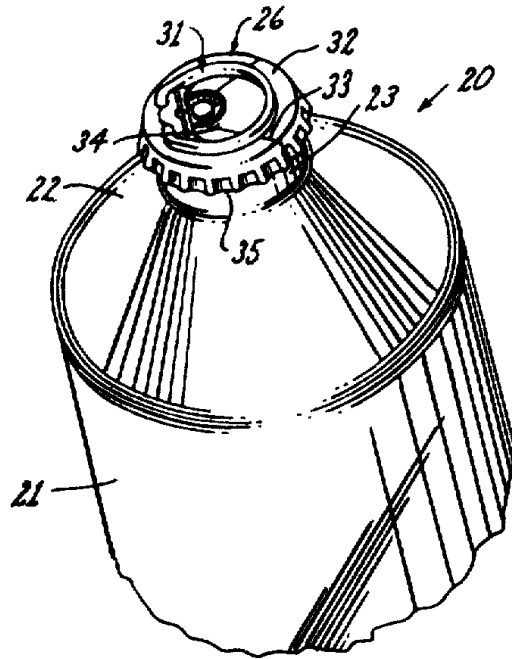


FIG. 1

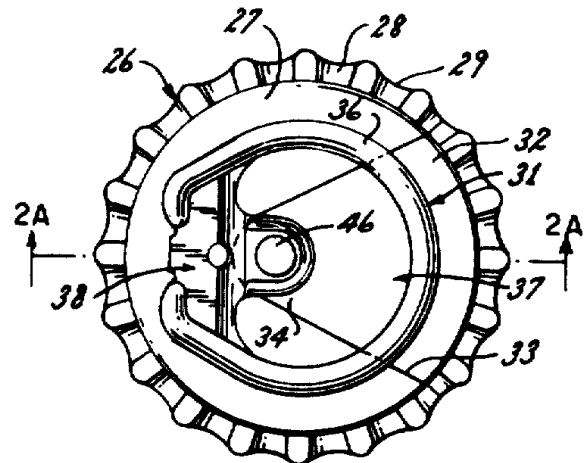


FIG. 2

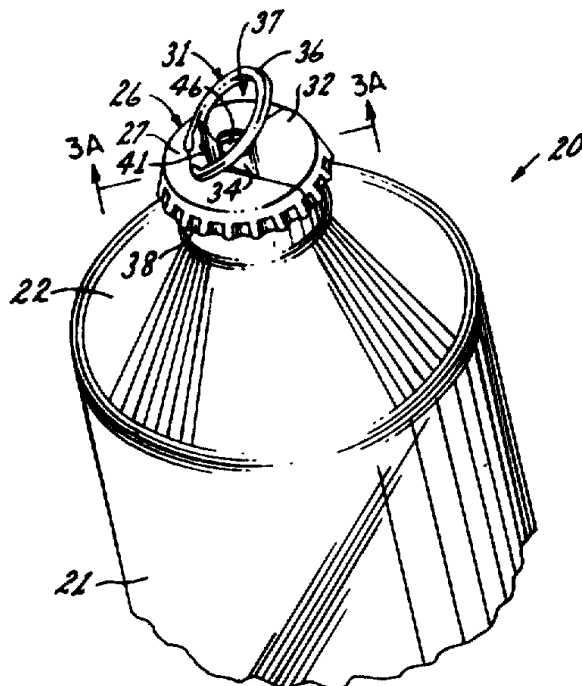


FIG. 3

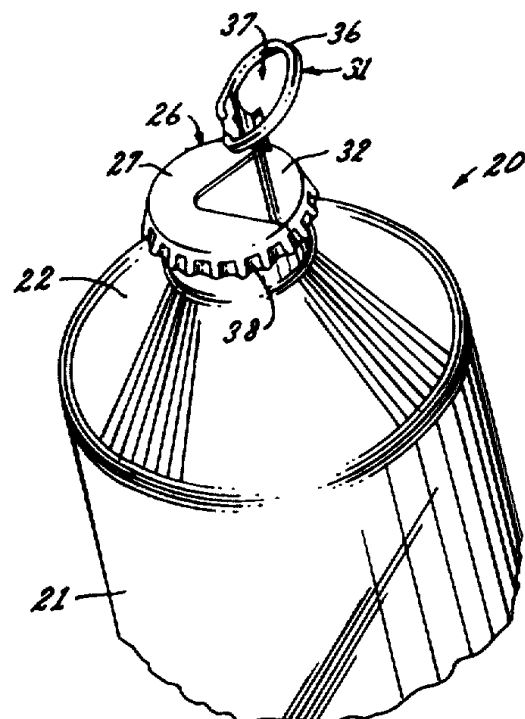


FIG 4

Publication data including kind & date



[USRE28862](#)

E 1976-06-15 USRE28862

Abstract

(USRE28862)

This disclosure relates to a bottle cap construction wherein a tear section is defined by score means in the bottle cap construction so that the tear section is initially integral with the remainder of the bottle cap throughout the entire juncture of the tear section with the remainder of the bottle cap. The tear section has at least one edge thereof extending from the top portion of the bottle cap to the free edge of the rim portion that is utilized to crimp the bottle cap to the open end of the bottle, a ring pull tab being secured to the tear section at the top portion of the bottle cap to facilitate the pulling of at least one edge of the tear section from the closure member to open the bottle.

Inventors

Siemonsen Frederik A.

Garriques Alfred L.

Latest standardized assignees - inventors removed

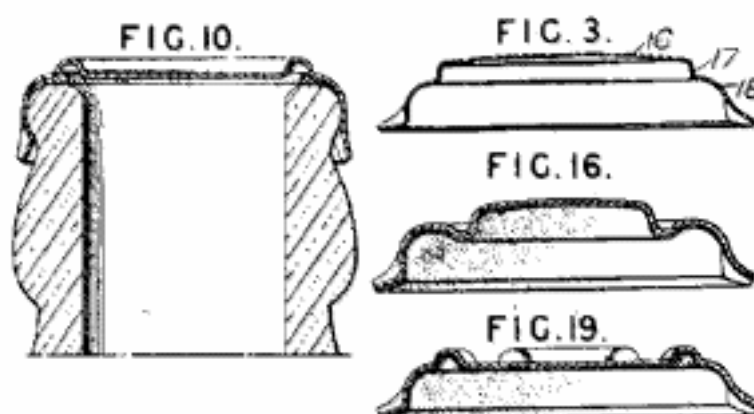
OWENS ILLINOIS

Family 11/25 - FAMPAT - ©Questel

Title

(GB-599704)

Improvements in crown caps or like closures for containers

Images**Publication data including kind & date**[GB599704](#)

A 1948-03-18 GB-599704

**Abstract**

(GB-599704)

599,704. Crown cork closures. CROWN CORK & SEAL CO., Inc. April 26, 1945, No. 10552. Convention date, May 29, 1944. [Classes 125 (ii) and 125 (iii)] A crown cap having the same overall diameter as a standard crown cap of the same rated size comprises a circular top portion 16, Fig. 3. an upstanding ring portion 17 adjoining this, followed by a smooth shoulder of curved axial section adapted to extend downwards from the top of the lip of the container, close to the outside thereof, and an outwardly directed annular flange 18 radially fluted throughout its entire circumference adjoining said shoulder with the tops of the flutes terminating at its lower edge. The height of the cap up to the top of the shoulder is substantially less than that of a standard crown cap, the height of the ring portion being such as to give the cap the same overall height as the standard one. Figs. 3, 10, 16, 19 show various embodiments in section. Gasketing material may comprise a ring of plastic material under the curved shoulder portion, or a central disc of suitable material may be located in the top portion, or both these methods may be used together; alternatively an overall facing of plastic gasketing material may be applied to the sheet from which the cap is punched. The bottom of the presser foot used for applying the cap may be recessed to avoid crushing the upstanding ring portion.

Latest standardized assignees - inventors removed

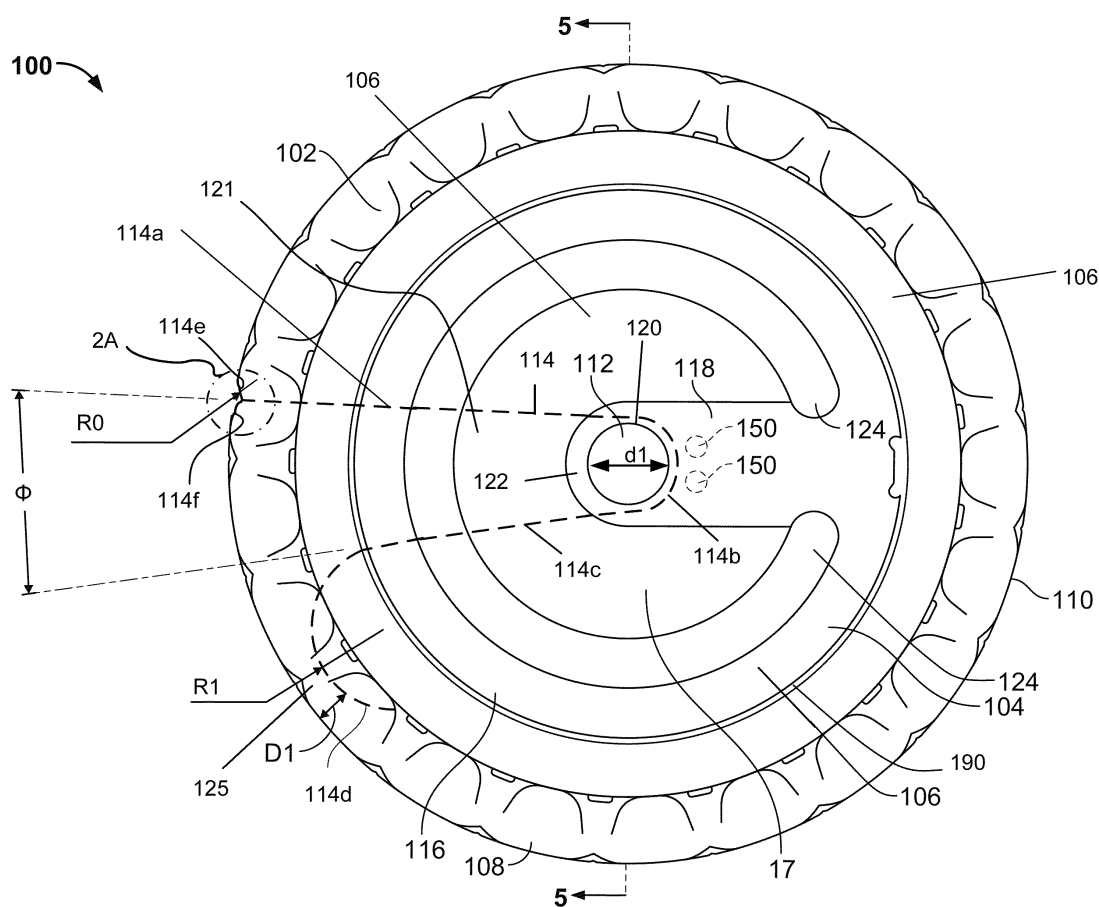
CROWN CORK & SEAL

Family 12/25 - FAMPAT - ©Questel

Title

(US20100096355)

Lever type easy pull crown cap

Images**Publication data including kind & date**

CN201321197	Y	2009-10-07	CN201321197U
US20100096355	A1	2010-04-22	US20100096355
RU94215	U1	2010-05-20	RU--94215

**Abstract**

(US20100096355)

A lever type easy pull crown cap. The lever type easy pull crown cap has a body with a boss extending from a central portion that transitions into a rim with an edge. A pull-ring is fastened to the crown body without piercing the body. An inner surface of the body includes a score line extending from the edge along the rim and across the central portion towards the boss and returns outward across the central portion after travelling around the boss to terminate in a tail segment. The tail segment extends along a portion of the rim without reaching the edge. Pulling upward on the pull-ring fractures the body along the score line and separates a tear strip portion from the body, breaking the seal between the lever type easy pull crown cap and the bottle.

Inventors

CHAOLU LIU

Latest standardized assignees - inventors removed

YUNNAN TIN HUIQIANG METAL PRODUCT

Family 13/25 - FAMPAT - ©Questel

Title

(EP1480890)

MY138157	A	2009-04-30	MY-138157
VN0007971	B	2009-10-26	VN---7971B
JP4413011	B2	2010-02-10	JP4413011
AU2003209871	B2	2010-03-11	AU2003209871
CN1639020	B	2010-05-12	CN1639020B
US7731048	B2	2010-06-08	US7731048
KR100987734	B1	2010-10-13	KR100987734
HK1080439	A1	2010-12-31	HK1080439

**Abstract**

(EP1480890)

A plastic lid for a can of the type comprising a tubular body (10) having an upper end (13) for the seating of the lid (20) comprising a sealing portion (21), removably seated on the tubular body (10) and provided with an upper edge (21b), a seal portion (25), to be ruptured upon the first opening of the lid (20), having an upper ring (25b) which is incorporated to a lower skirt (25a), said upper ring (25b) and said lower skirt (25a) being respectively seated onto and around part of the upper end (13), said upper ring (25b) being incorporated through radial bridges (26), to said upper edge (21b), the seal portion (25) presenting an interruption (25c) extending through the width of the upper ring (25b) and through at least part of the height of the lower skirt (25a). The sealing portion (21) incorporates a gripping tab (27) which is manually operable only when part of the seal portion (25) is ruptured.

Inventors

ALVARES ANTONIO CARLOS TEIXEIR

SENE ANTONIO ROBERTO

Latest standardized assignees - inventors removed

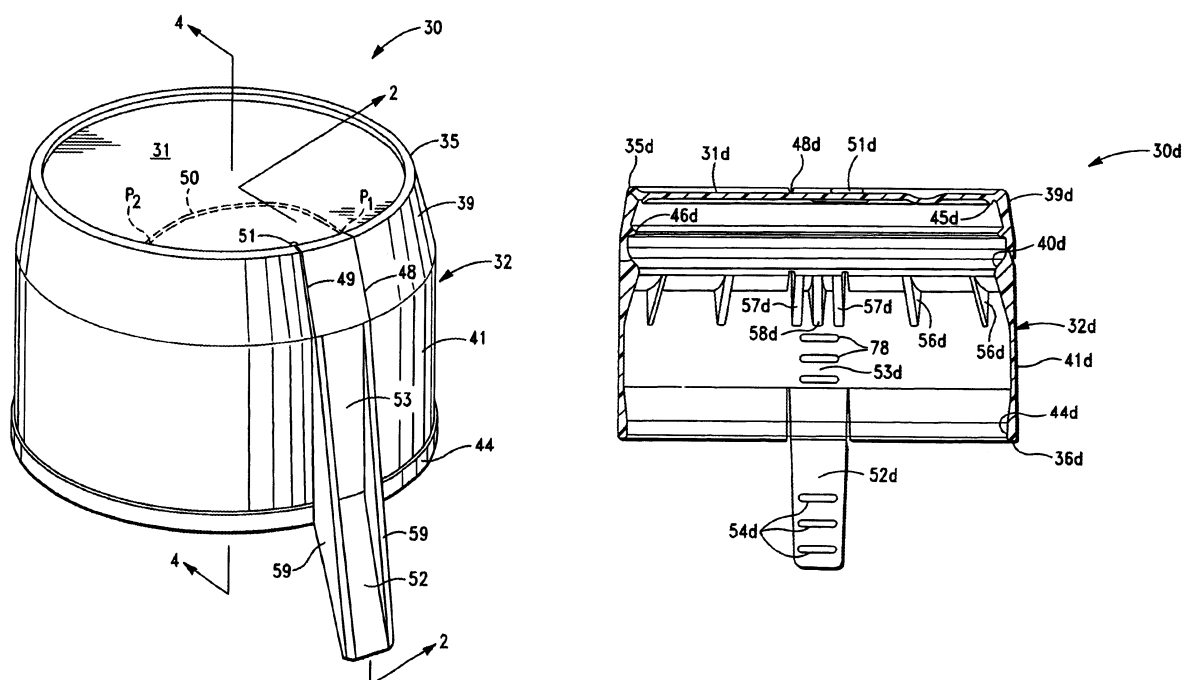
BRASILATA EMBALAGENS METALICAS

Family 14/25 - FAMPAT - ©Questel

Title

(EP1399368)

Bottle cap

Images**Publication data including kind & date**

US20020195415 A1 2002-12-26 US20020195415



Publication data including kind & date

WO200026104	A1	2000-05-11	WO200026104
CA2348562	A1	2000-05-11	CA2348562
AU1713700	A	2000-05-22	AU200017137
US20010037989	A1	2001-11-08	US20010037989
EP1154933	A1	2001-11-21	EP1154933
CN1325355	A	2001-12-05	CN1325355
US6499616	B2	2002-12-31	US6499616
CN1106990	C	2003-04-30	CN1106990C
US20030150834	A1	2003-08-14	US20030150834
US7007816	B2	2006-03-07	US7007816
EP1154933	A4	2006-09-20	EP1154933
CA2348562	C	2008-01-15	CA2348562

**Abstract**

(EP1154933)

A bottle cap (10) having a top panel (12) and a downwardly depending skirt (14). Skirt (14) includes an angled upper portion (20) and a generally cylindrical lower portion (22) with an exterior bead (24) thereon. Angled upper skirt portion (20) extends from a perimeter bead (23) down to a locking bead (34), which allows upper skirt (20) to transfer an application force from perimeter bead (23) radially to locking bead (34) in order to push the locking bead down around the upper crown (42) of a bottle neck (40).

Inventors

VERDERBER RUDOLPH R

Latest standardized assignees - inventors removed

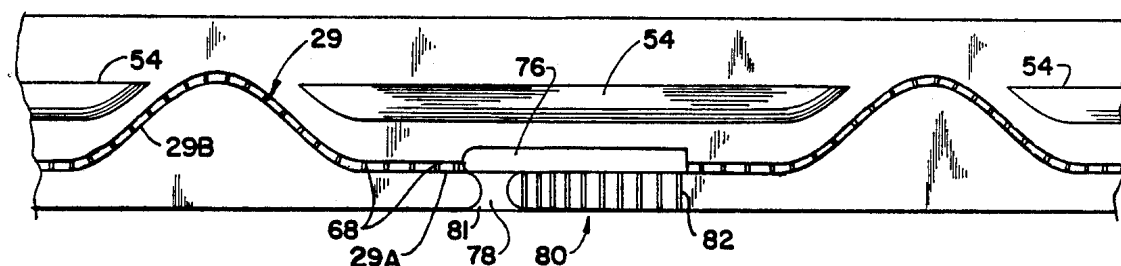
PORTOLA PACKAGING

Family 16/25 - FAMPAT - ©Questel

Title

(US4930656)

Container lid with a tear skirt

Images**Publication data including kind & date**

GB8919561	D0	1989-10-11	GB8919561
US4930656	A	1990-06-05	US4930656
GB2228258	A	1990-08-22	GB2228258
AU4125989	A	1990-08-23	AU8941259
AU628852	B2	1992-09-24	AU-628852
GB2228258	B	1993-03-24	GB2228258

**Abstract**

(US4930656)

A lid for sealing a container has a removable tear skirt. The lid includes a cap portion with a circular crown and depending sidewall. An undulating annular groove which defines a frangible thin walled strip divides the sidewall into an upper section

and a lower tear skirt. The cap portion has a reinforced inner wall assembly that is spaced apart from an outer depending wall, the tear skirt being attached to a lower portion of the outer wall. A weakened area adjacent to and intersecting a small lateral slot formed in the undulating groove facilitates breaking of the tear skirt. When the tear skirt is removed, a plurality of bendable flaps are formed at the lower portion of the outer wall. A fastening rib formed on an inner surface of the outer wall is configured to lockingly engage a locking flange on the container for securing the lid to the container. Opening slots provided in the flaps are configured to receive a tool for disengaging the fastening ribs and the locking flange.

Inventors

BLANCHETTE HENRY J

Latest standardized assignees - inventors removed

PLASTICAN

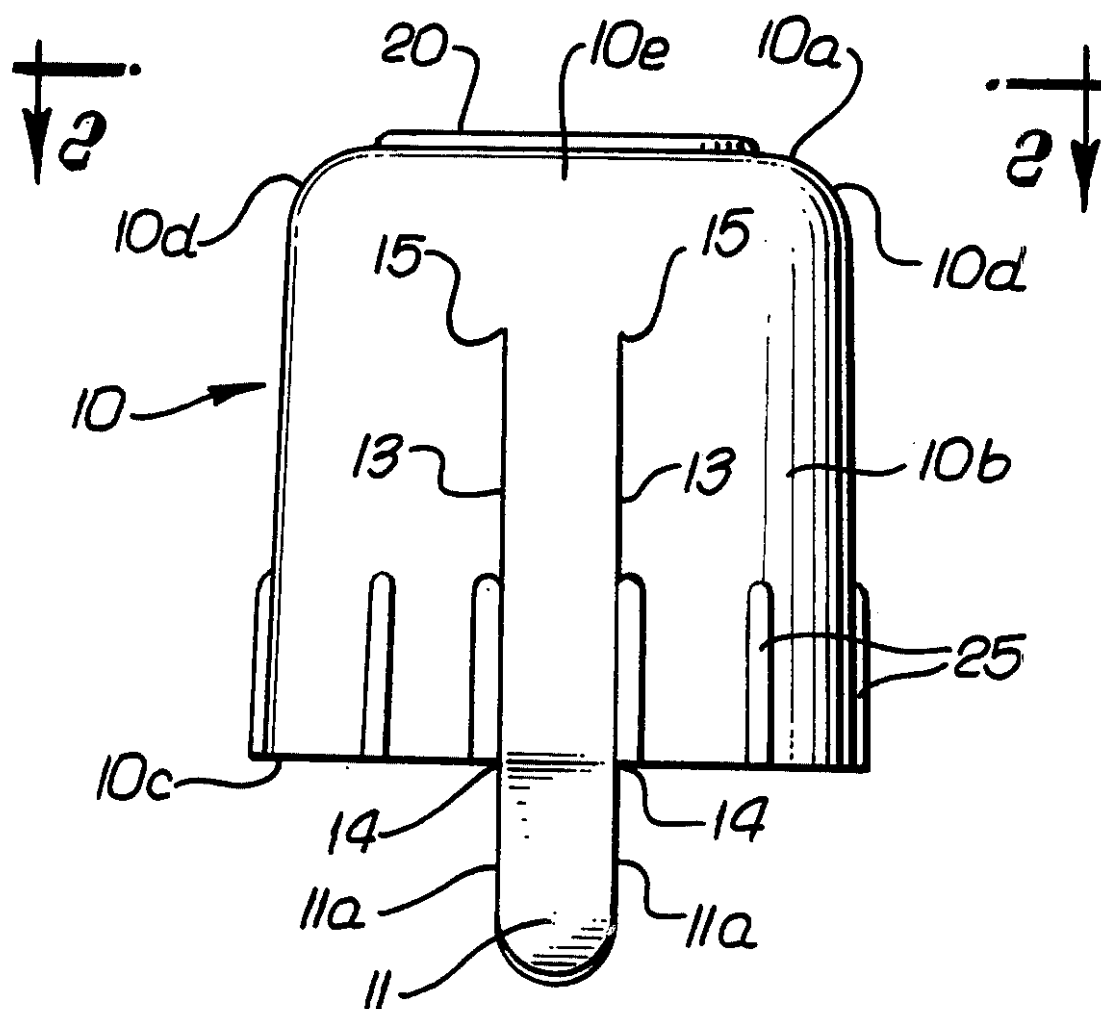
Family 17/25 - FAMPAT - ©Questel

Title

(US4066180)

Frangible cap for bottles

Images



Publication data including kind & date

US4066180

A 1978-01-03 US4066180



Abstract

(US4066180)

A frangible sealing cap for a bottle neck comprises:

A. a plastic cup having a top cover and a depending annular skirt, the cover and skirt having thin walls, the skirt being free of annularly outward bulge structure,

B. a plastic pull tab integral with the skirt and depending to a level below the lowermost level of the skirt, and
C. there being two weakening score lines extending into, but incompletely through the skirt from the outer surface thereof, said lines extending upwardly toward the top cover from points proximate the junctures of the skirt with opposite edges of the tab.

Inventors

SANCHEZ ALEJANDRO C

Family 18/25 - FAMPAT - ©Questel

Title

(US3480173)

Composite closure

Images

FIG. 1

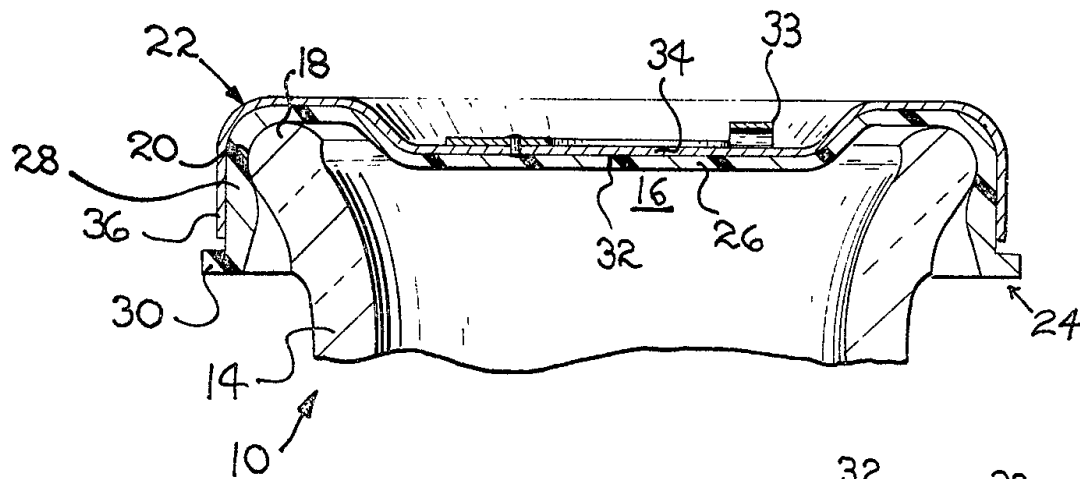


FIG. 2

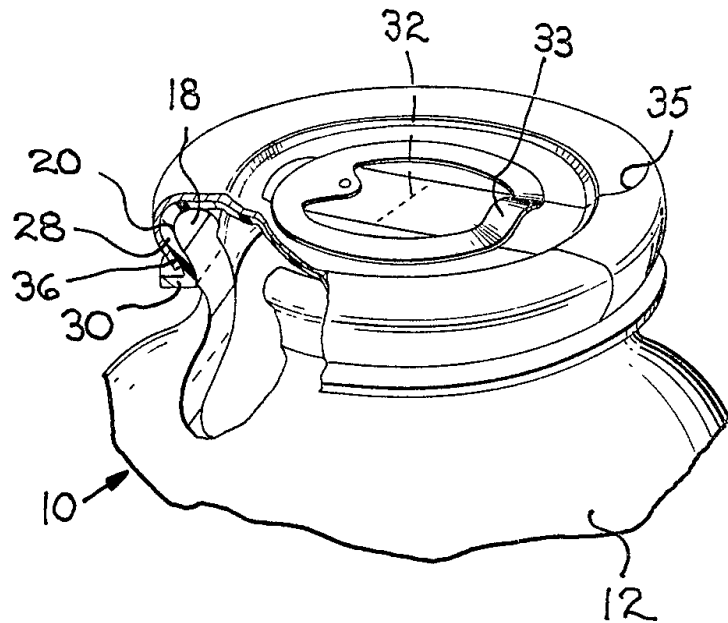
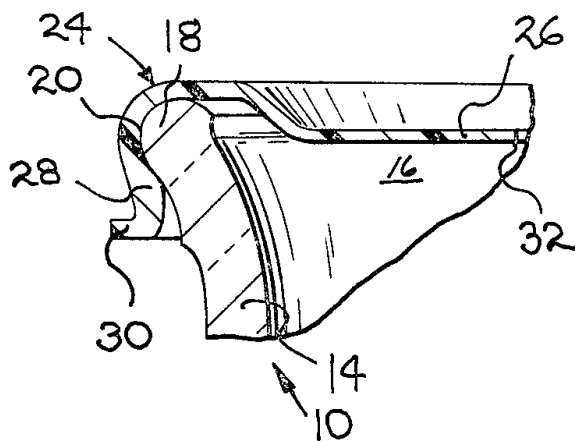


FIG. 3



INVENTOR.
 JACK M. WHEATON
 BY *C. J. Hollen*
W. A. Schaich
 ATTORNEYS

Publication data including kind & date

US3480173

A 1969-11-25 US3480173



Inventors

WHEATON JACK M

Latest standardized assignees - inventors removed

OWENS ILLINOIS

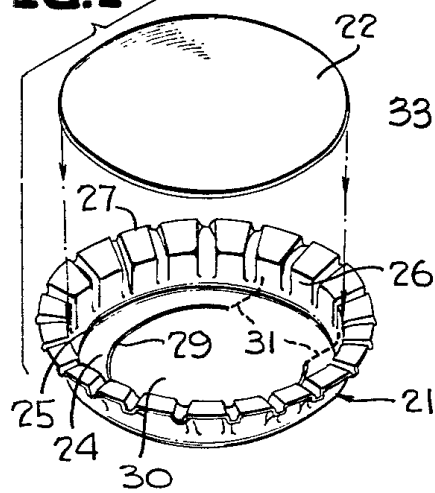
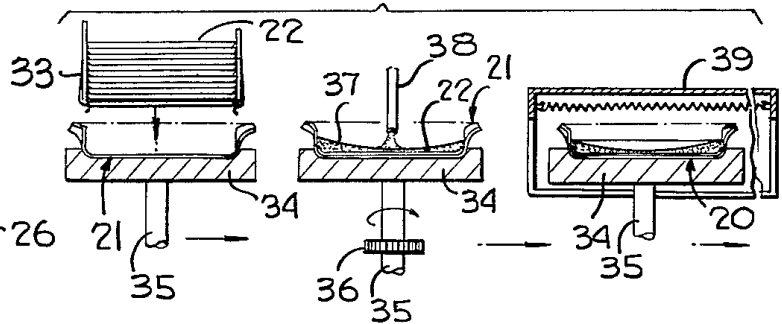
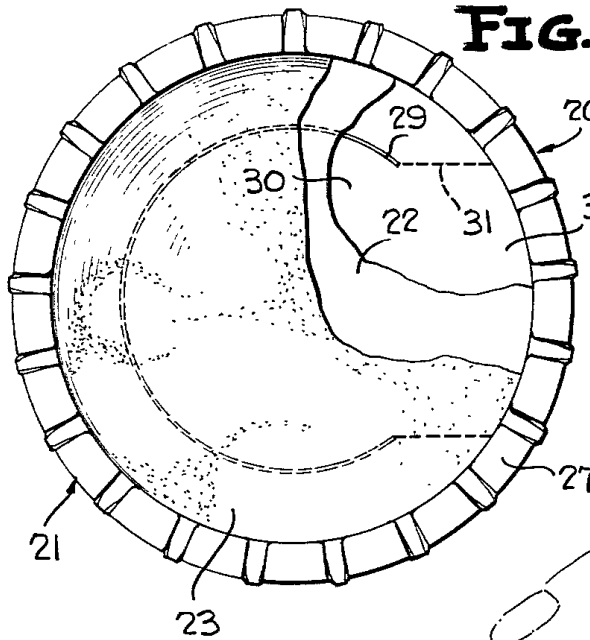
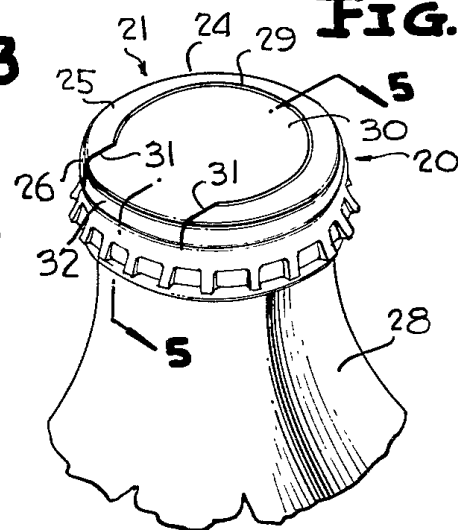
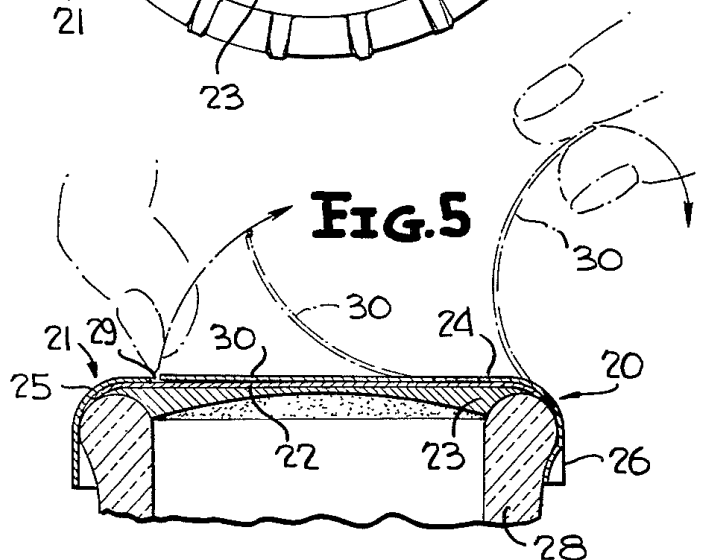
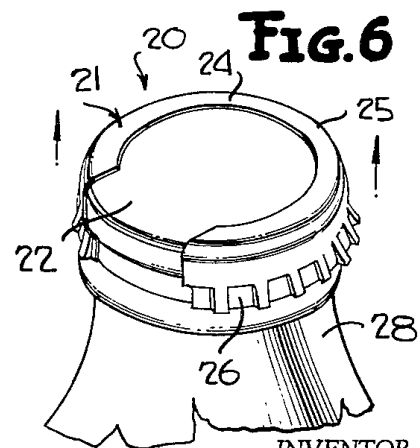
Family 19/25 - FAMPAT - ©Questel

Title

(US3199705)

Three-piece easy opening crown cap closure

Images

FIG.1**FIG.2****FIG.3****FIG.4****FIG.5****FIG.6**

INVENTOR

HALFORD E. BROCKETT

BY

Masson Porter, Miller & Stewart
ATTORNEYS

BE655241	A	1965-05-04	BE-655241
US3199705	A	1965-08-10	US3199705
FR1413033	A	1965-10-01	FR1413033

**Inventors**

BROCKETT HALFORD E

Latest standardized assignees - inventors removed

CONTINENTAL CAN

Family 20/25 - FAMPAT - ©Questel

Title

(US3207350)

Sealing closure for a crown-type bottle

Images

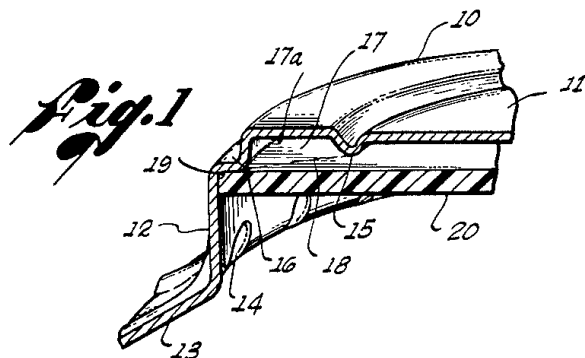


Fig. 2

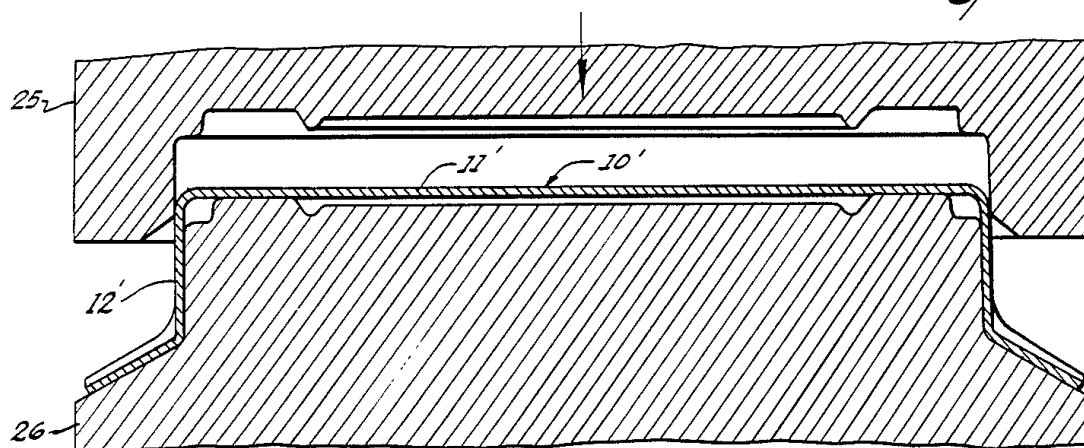


Fig. 3

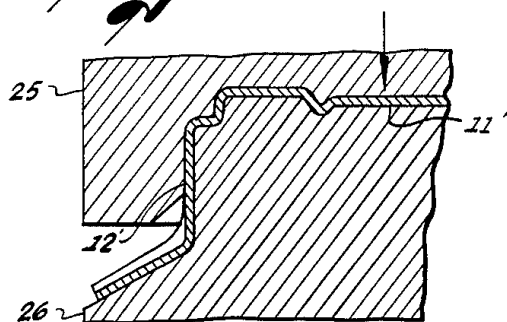


Fig. 4

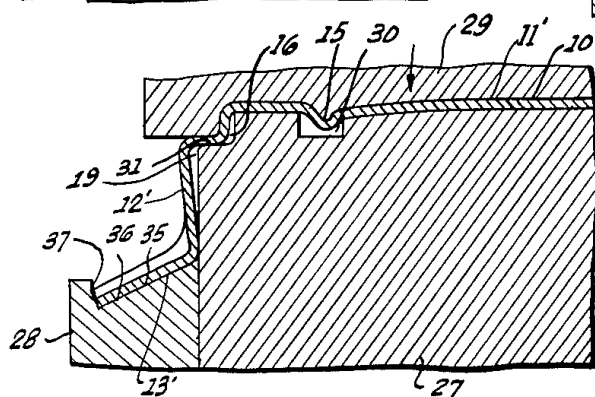
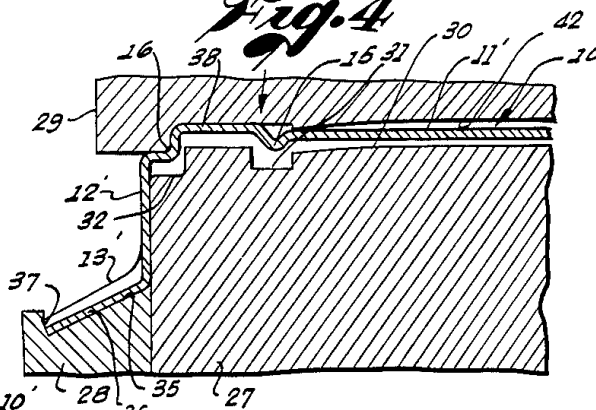


Fig. 5

INVENTORS
FOSTER M. HAGMANN
HAZEN B. GRAHAM
BY ROBERT B. MORRIS
Eulwider Mattingly & Huntley
ATTORNEYS

Publication data including kind & date

US3207350

A 1965-09-21 US3207350



Inventors

HAGMANN FOSTER M

GRAHAM HAZEN B

MORRIS ROBERT B

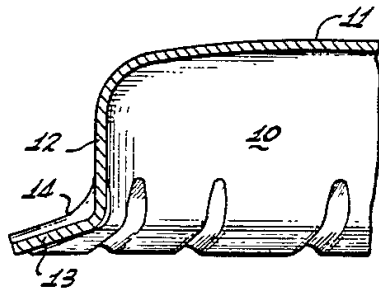
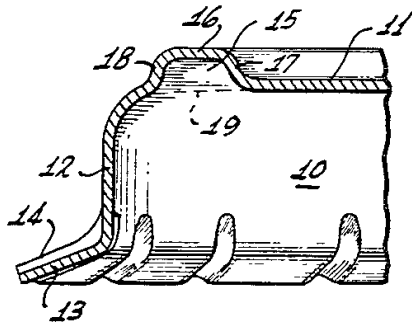
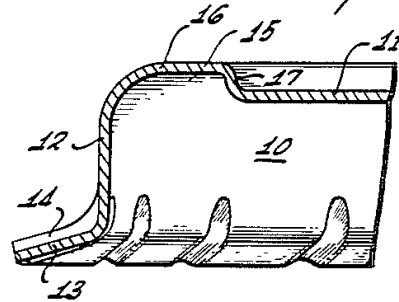
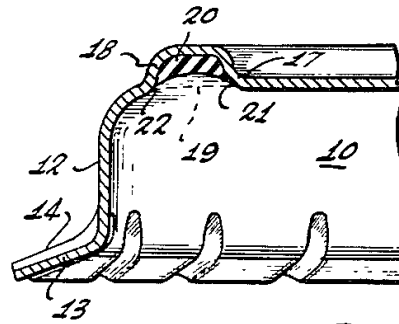
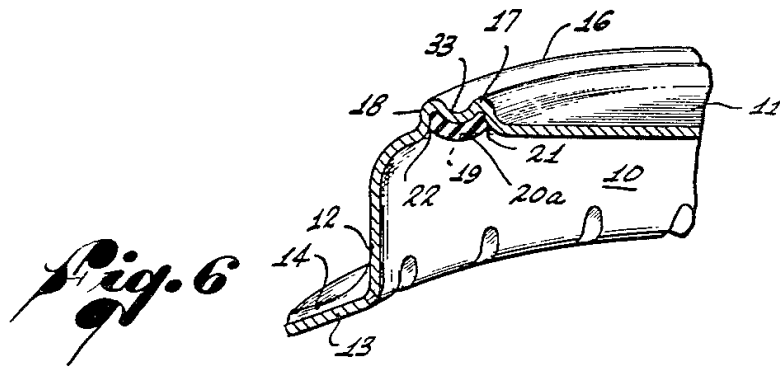
Family 21/25 - FAMPAT - ©Questel

Title

(US3122253)

Seal

Images

Fig. 1*Fig. 2**Fig. 3**Fig. 4**Fig. 6*

INVENTORS
 FOSTER M. HAGMANN
 HAZEN B. GRAHAM
 ROBERT B. MORRIS
 By *Lulward Mattings & Huntley*
 Attorneys

Publication data including kind & date

US3122253

A 1964-02-25 US3122253



Inventors

HAGMANN FOSTER M

GRAHAM HAZEN B

MORRIS ROBERT B

Latest standardized assignees - inventors removed

WANDA L PRATT

Family 22/25 - FAMPAT - ©Questel

Title

(DE1038934)

Flaschenverschluss aus Metall mit elastischer Dichtungsschicht

Publication data including kind & date

[DE1038934](#) B 1958-09-11 DE1038934



Inventors

ISELE-AREGGER ALFONS

Family 23/25 - FAMPAT - ©Questel

Title

(US1639857)

Bottle cooler

Images

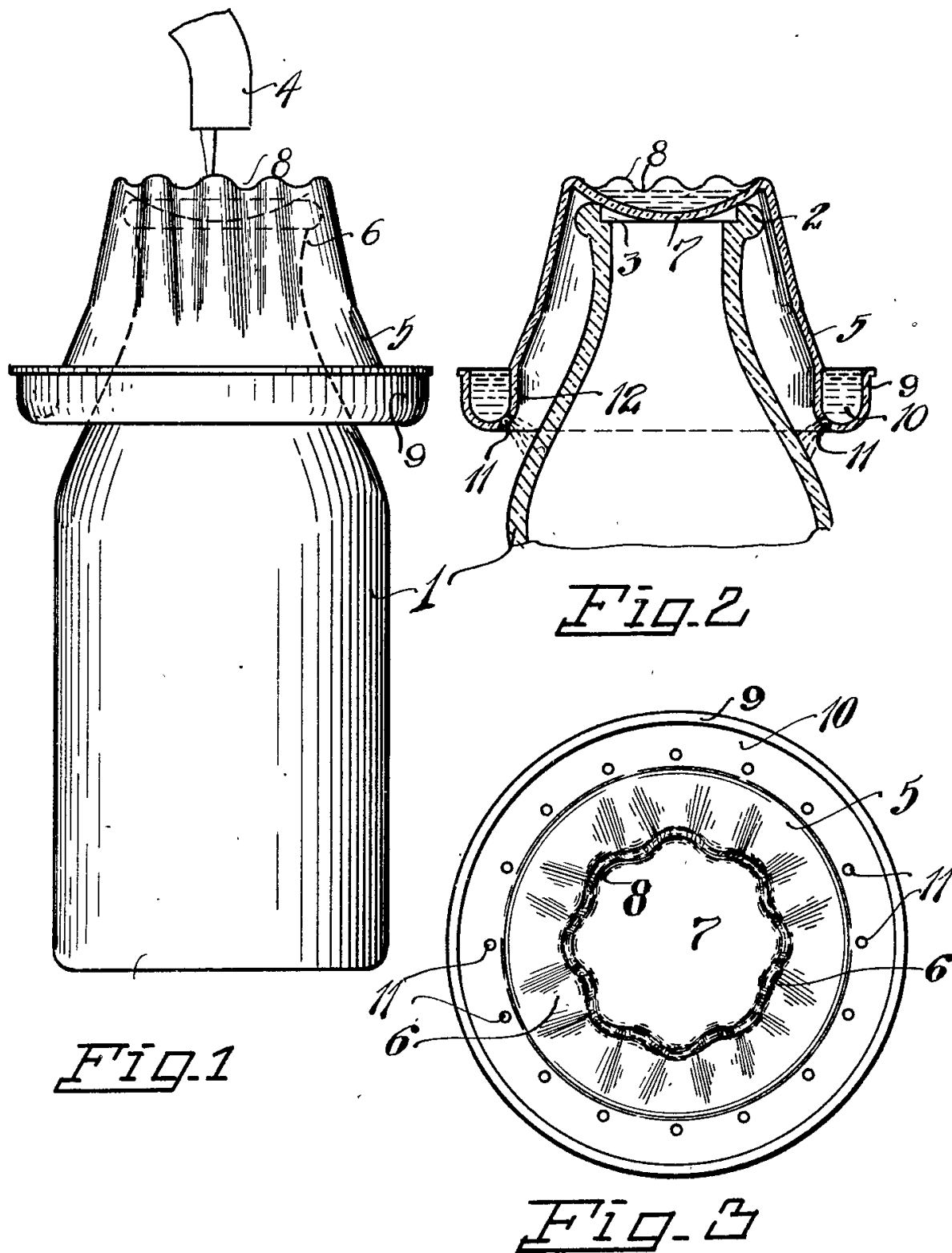


Fig. 2

Fig. 1

Fig. 3

William Planski. ^{Inventor}

By

Herbert E. Smith

Attorney

Publication data including kind & date

US1639857

A

1927-08-23

US1639857



Inventors

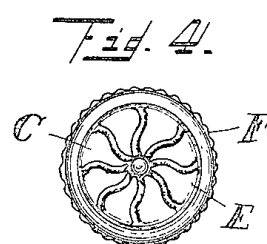
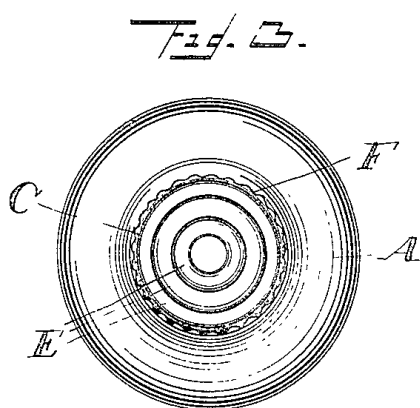
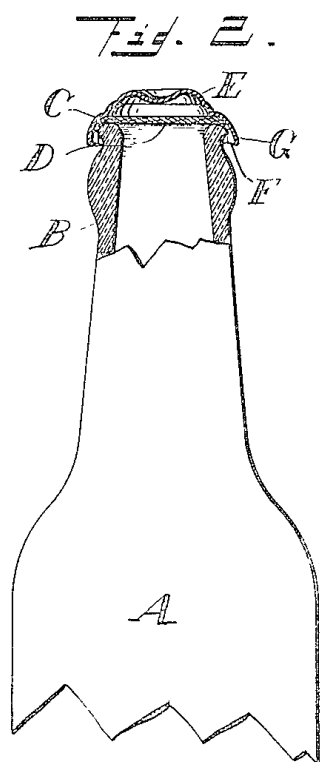
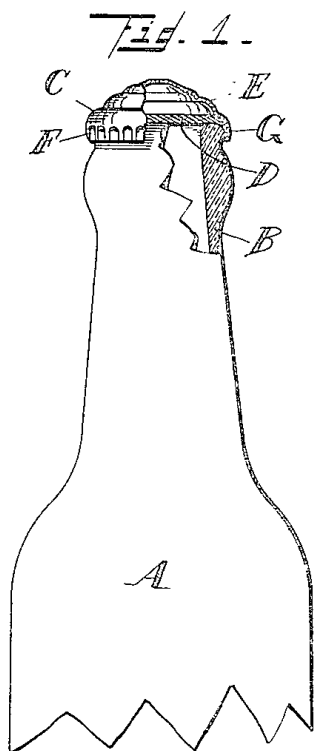
WILLIAM PLANSKI

Family 24/25 - FAMPAT - ©Questel

Title

(US-800867)

Bottle-stopper.

Images

WITNESSES:

Walter R. Strehli
Katie M. Strehli

INVENTOR

John J. Mulvaney
BY
John J. Strehli
ATTORNEY

Inventors

MULVANEY JOHN J

Latest standardized assignees - inventors removed

WILLIAM A RINCKHOFF

Family 25/25 - FAMPAT - ©Questel

Title

(FR-322592)

Perfectionnements dans les capsules pour cacheter les bouteilles

Publication data including kind & date[FR322592](#)

A

1903-02-09

FR-322592

**Inventors**

BATCHELDER ABBOTT NATHANIEL