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*MEM "FaVi/NC2019-0001641" /XPN /APID

9 Documents

Publication numbers	Title	Current assignees
US20180229903 A1	Child-resistant, flip-top closure	RIEKE
EP3504128 A1	Lockable closure	GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS
US20160009463 A1	Child-resistant flip-top closure	STULL SR GENE R
US7861873 B1	Flip-top dispensing system with a child resistant latch mechanism	BPREX HEALTHCARE PACKAGING
EP1868911 A1	Lift-top closure	CSP TECHNOLOGIES, ...
EP1851130 A1	Child-resistant flip-top dispensing closure, package and method of manufacture	BPREX HEALTHCARE PACKAGING
EP1357049 A2	Child resistant dispensing closure	BERRY PLASTICS
EP1009673 A1	Child-resistant screw-on cap and bottle	WEATHERCHEM
EP-666821 A1	Child resistant closure with recessed latch	SEAQUIST CLOSURES, ...

Family 1/9 - FAMPAT - ©Questel

Title

(US10676258)

Child-resistant, flip-top closure

Publication numbers

US10676258

US20180229903

Publication dates

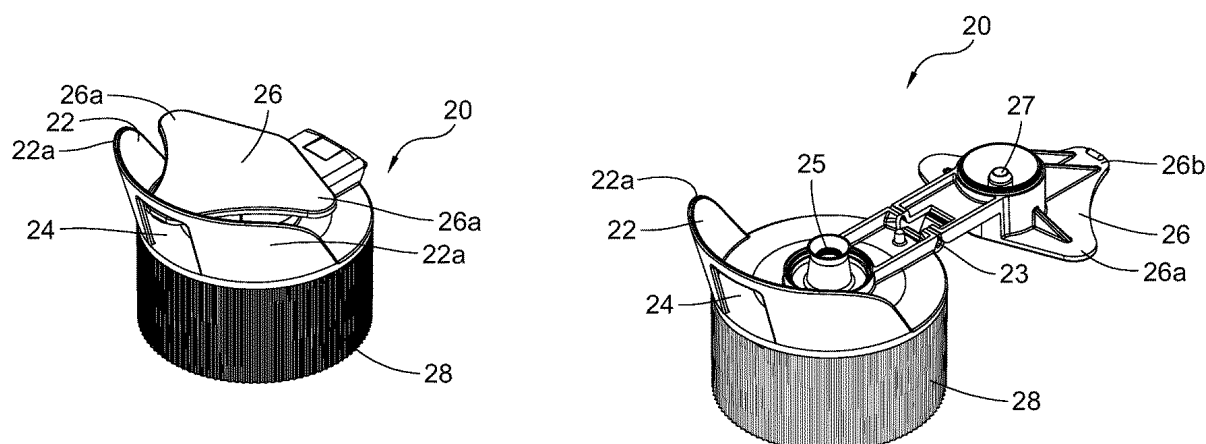
2020-06-09

2018-08-16

Abstract

(US20180229903)

A child-resistant, flip-top closure includes a closure body for secure connection to a container which stores the content/product which is to be dispensed. Hinged to the closure body is a flip-open lid which is constructed and arranged to be lifted manually. A child-resistant structure is incorporated into the closure construction. The child-resistant structure of one exemplary embodiment is constructed and arranged with a squeeze-to-release feature. The child-resistant structures of other exemplary embodiments are constructed and arranged with a tab press-down feature. Actuation of the child-resistant structure (squeeze or press down) must be performed concurrently with the lifting action applied to the flip-open lid.

Images

Family 2/9 - FAMPAT - ©Questel

Title

(EP3504128)

Lockable closure

Publication numbers

ZA201901083

CN109789950

EP3504128

AU2017315380

EP3504128

US20190177051

CN109789950

CO2019001641

WO2018/039413

WO2018/039413

AU2017315380

WO2018/039413

Publication dates

2020-10-28

2020-09-29

2020-06-17

2020-06-11

2019-07-03

2019-06-13

2019-05-21

2019-05-21

2019-04-18

2019-03-21

2019-03-07

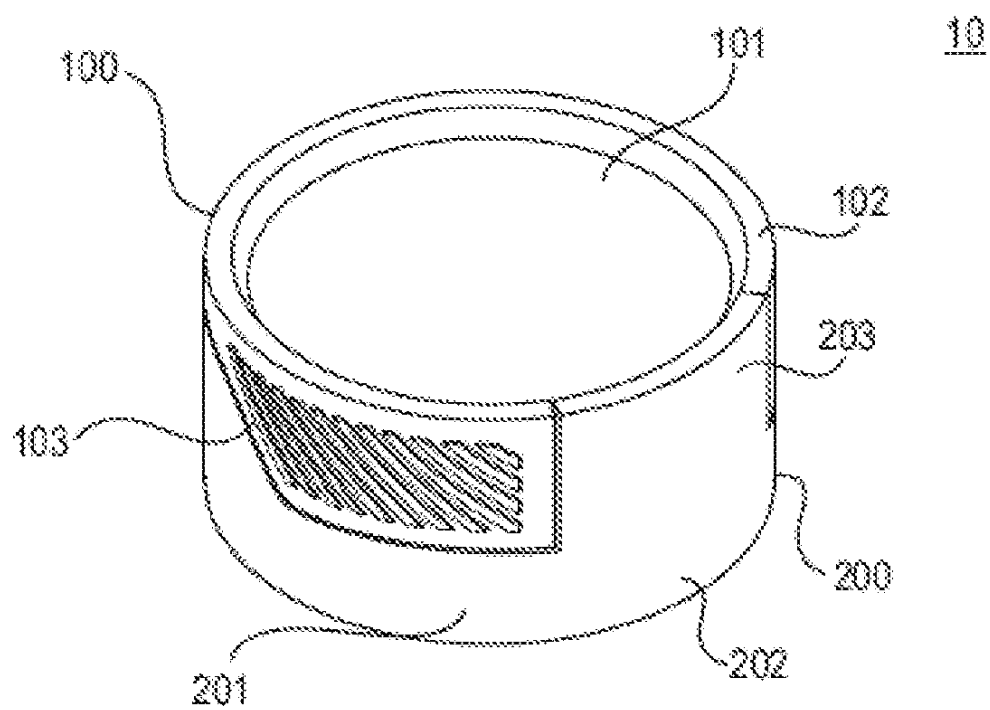
2018-03-01

Abstract

(EP3504128)

Aspects of the present invention are directed to a child-proof cap that is easier to open for adults than traditional child-resistant closures, yet remains resistant to opening by children. The child-proof cap may be opened in a pull-and-flip motion with a single hand.

Images



Family 3/9 - FAMPAT - ©Questel

Title

(US9327884)

Child-resistant flip-top closure

Publication numbers

US9327884

US20160009463

Publication dates

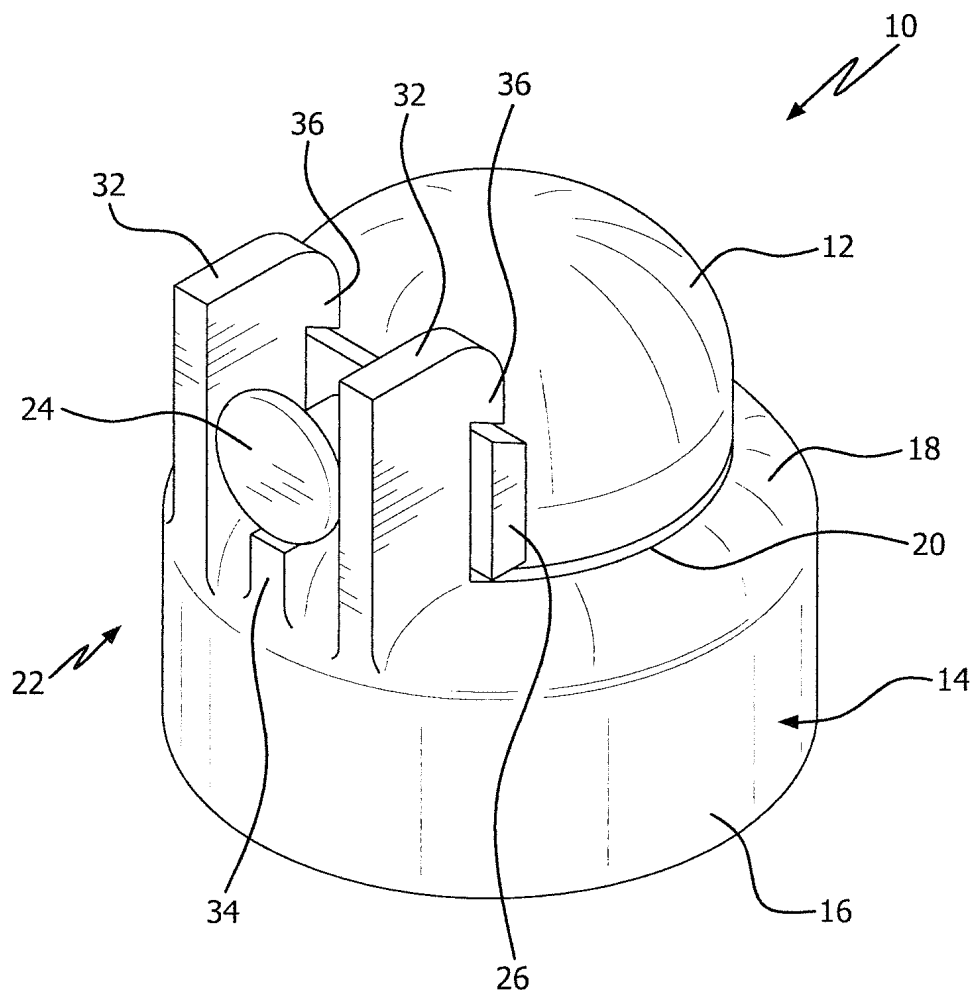
2016-05-03

2016-01-14

Abstract

(US20160009463)

A child-resistant flip-top closure including a base for engaging a container and a lid is hingedly attached to the base. A child-resistant locking mechanism inhibits opening of the flip-top closure. The mechanism includes at least one locking tab extending vertically upward from a portion of the lid and terminating in a locking lip. An actuation button is attached to the tab through a connecting rib so that the button is positioned laterally to the side of the tab. At least one barrier wall located adjacent to the actuation button, the barrier wall formed integral with the base and extending upward. The barrier wall includes a locking ledge formed on a rear side of the wall. The locking ledge is configured to engage the locking lip of the tab so as to provide an interlock between the lid and the base.

Images

Family 4/9 - FAMPAT - ©Questel

Title

(US7861873)

Flip-top dispensing system with a child resistant latch mechanism

Publication numbers

US8292101

US7861873

Publication dates

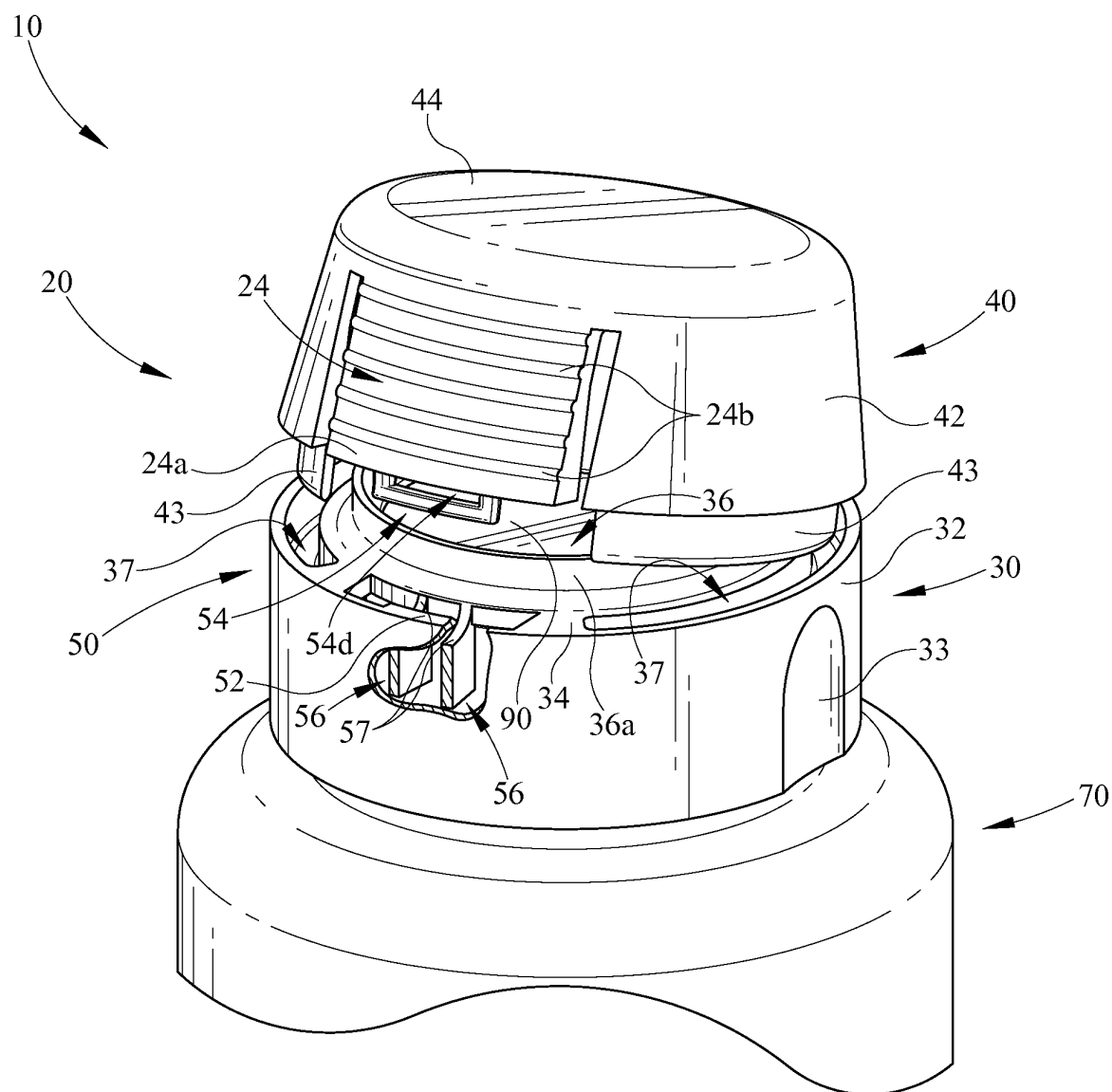
2012-10-23

2011-01-04

Abstract

(US7861873)

A child resistant dispensing system having a flip-top closure. The flip-top closure has a push button positioned in the skirt of the flip-top lid wherein an opposed squeeze disengages the child resistant latch mechanism. The child resistant latch mechanism includes a latch projecting from the flip-top lid and engaging a projection of the closure body. A latch guide assists in positioning the latch during engagement with the projection of the closure body. The push button may be positioned substantially flush with the outside surface of the flip-top lid and closure body.

Images

Family 5/9 - FAMPAT - ©Questel

Title

(EP1868911)

Lift-top closure

Publication numbers

CA2601815

US8267265

EP1868911

US20100044378

CN100564179

CN101163627

EP1868911

CA2601815

WO2006/102601

Publication dates

2012-10-23

2012-09-18

2012-06-13

2010-02-25

2009-12-02

2008-04-16

2007-12-26

2006-09-28

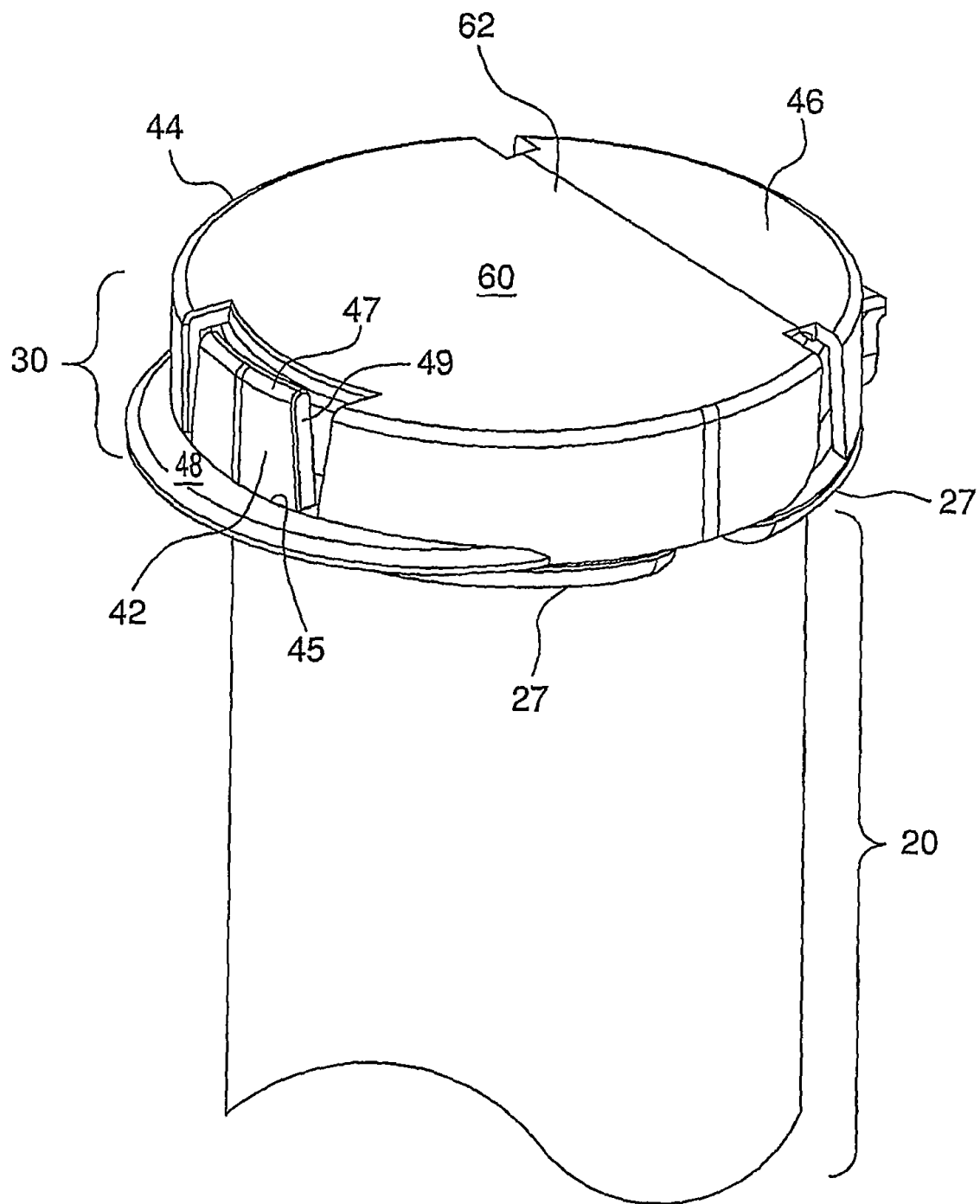
2006-09-28

Abstract

(EP1868911)

Containers with child resistant safety caps are disclosed herein. In one embodiment, the cap contains (1) an overlay and (2) a solid base. The overlay fits around at least a portion of the cap's solid base. At an end of the overlay is a thumb tab for facilitating the opening and closing of the cap. The overlay also contains a skirt that is perpendicular to the thumb tab. The skirt of the overlay contains a tab. At the end of the solid base proximal to the location of the tab on the overlay (when the cap is in the closed position) the solid base contains a notch. When the cap is shut, the overlay is secured around the solid base. If an upward force is only applied to the thumb tab, and then the overlay is lifted up, while the solid base of the cap remains secured to the container. If an upward force is applied to the thumb tab while simultaneously, sufficient inward force is applied to tab on the overlay to contact and secure the tubular skirt of the cap, then the solid base of the cap is simultaneously lifted up along with the overlay, thereby opening the container. In one embodiment, the overlay contains a top. In another embodiment, the overlay does not contain a top.

Images



Family 6/9 - FAMPAT - ©Questel

Title

(EP1851130)

Child-resistant flip-top dispensing closure, package and method of manufacture

Publication numbers

US7735665

BRPI0608085

RU2007134599

ZA200707122

ES2309952

DE602006001943

AT402085

JP2008529916

EP1851130

CN101119904

IN4063/CHENP/2007

EP1851130

MX2007009525

CA2595245

WO2006/091357

US20060186077

Publication dates

2010-06-15

2009-06-16

2009-04-10

2008-12-31

2008-12-16

2008-09-04

2008-08-15

2008-08-07

2008-07-23

2008-02-06

2007-11-23

2007-11-07

2007-09-26

2006-08-31

2006-08-31

2006-08-24

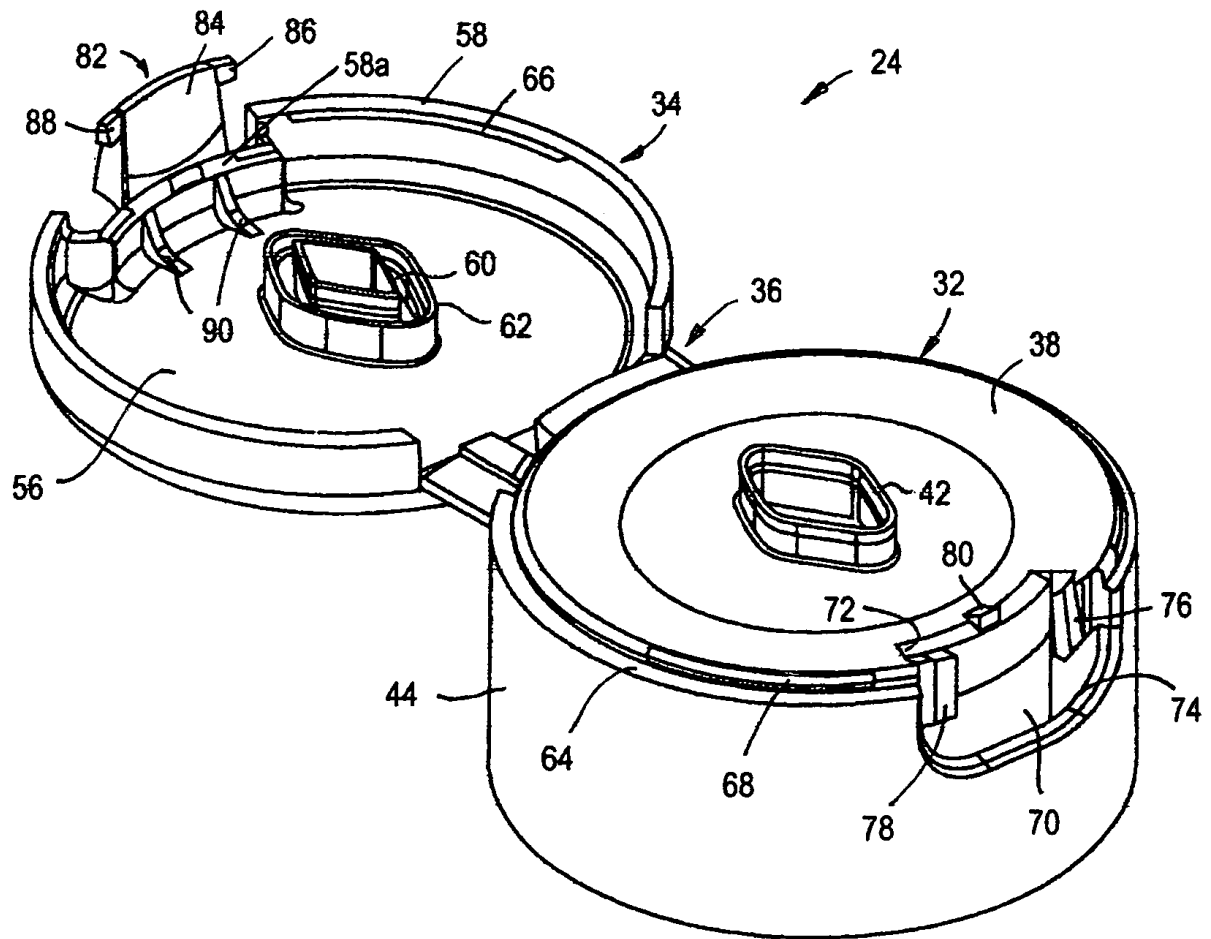
Abstract

(EP1851130)

A child-resistant dispensing closure includes a base (32) having a deck (38) with a dispensing opening (42), a peripheral skirt (44) extending from the deck, and an inner wall (46) extending from the deck for securing the closure to a container. An axial passage (70) extends from the deck between the peripheral skirt and the inner wall, and opens radially outwardly through the peripheral skirt. A pair of spaced ledges (76, 78) are disposed in the axial passage. A lid (34) is molded integrally with the base and is coupled by a hinge (36) to the base so as to be pivotable between a closed position overlying the deck and an open position spaced from the deck. The lid has a latch arm (82) that resiliently extends from a periphery of the lid. The latch arm has a pair of oppositely extending tabs (86, 88) for engagement with the ledges to lock the lid in the closed position. The latch arm is directly manually engageable by a user from a radial direction external to the closure to pivot the latch arm radially inwardly within the passage and release the tabs from the ledges so that the lid can

be pivoted toward the open position drawing the latch arm out of the axial passage.

Images



Family 7/9 - FAMPAT - ©Questel

Title

(EP1357049)

Child resistant dispensing closure

Publication numbers

US6866164

EP1357049

CN1453193

US20030201283

EP1357049

Publication dates

2005-03-15

2004-06-30

2003-11-05

2003-10-30

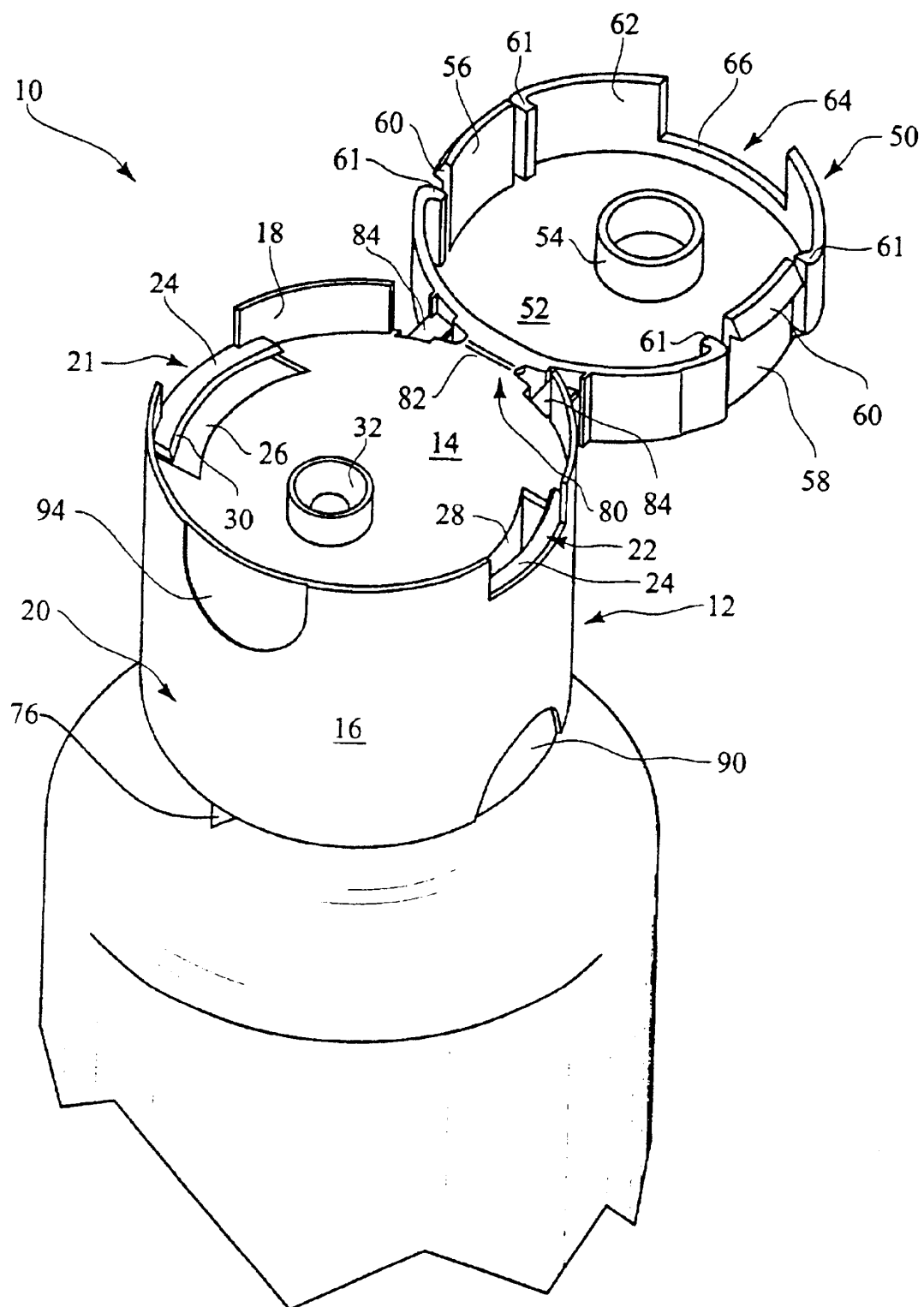
2003-10-29

Abstract

(EP1357049)

A child resistant dispenser (10) comprising a double-shelled threaded closure (12) and dual opposed motion child resistant features. The child resistant dispenser comprises a double shelled closure having a first squeeze and turn child resistant feature. Hingeably attached to the closure is a lid (50). The lid has a squeeze (90) and lift (66) feature used to open the lid and access the dispenser comprising the second child resistant feature. The child resistant dispenser may be disposed on a container and in fluid communication therewith. <IMAGE>

Images



Family 8/9 - FAMPAT - ©Questel

Title

(EP1009673)

Child-resistant screw-on cap and bottle

Publication numbers

EP1009673

JP2002507173

AU727858

EP1009673

US5908125

AU6948898

CA2286635

WO98/46491

Publication dates

2003-09-17

2002-03-05

2001-01-04

2000-06-21

1999-06-01

1998-11-11

1998-10-22

1998-10-22

Abstract

(EP1009673)

A child-resistant bottle and screw-on cap combination that is relatively easy to open for elderly persons with limited dexterity. The cap (10) has a construction that is particularly suited for use with extrusion blow-molded bottles. The cap (10) has a pair of diametrically opposed lock levers (21). Each lock lever (21) has a finger engageable portion (32) and a bottle contacting portion (28) and is attached to the outer skirt (14) of the cap by a hinge (26). The bottle contacting portion (28) of the lock lever (21) engages locking surfaces (39) on the bottle.

Images

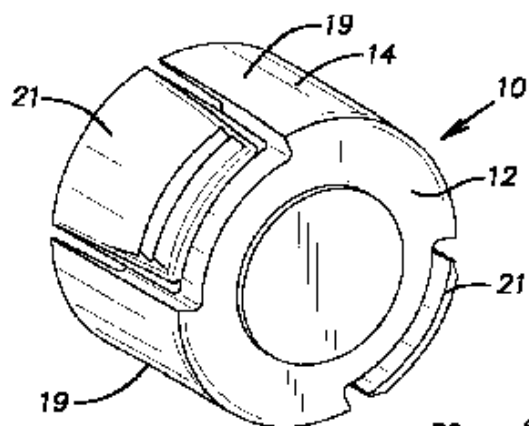


Fig.1

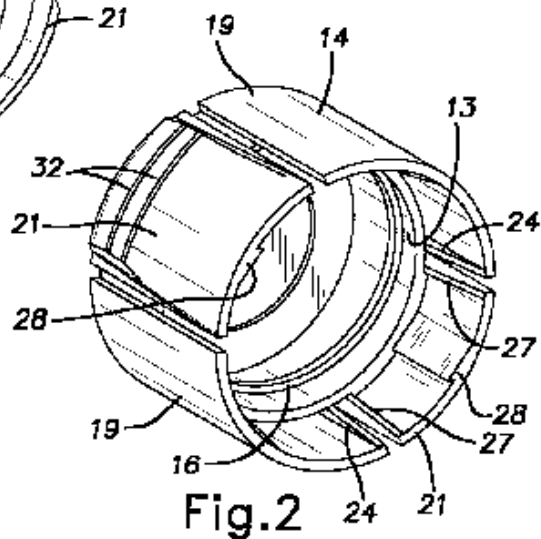


Fig.2

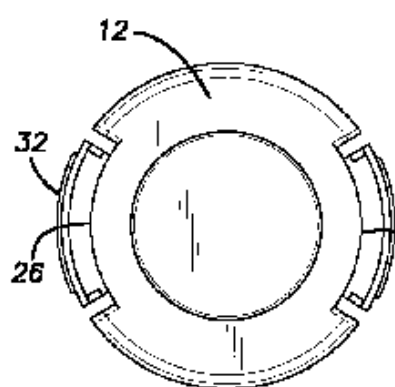


Fig.3

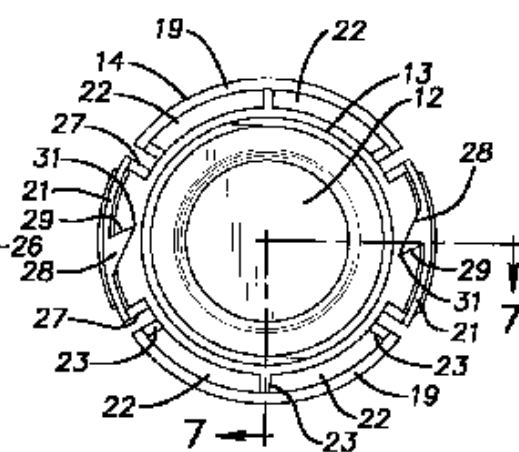


Fig.4

Family 9/9 - FAMPAT - ©Questel

Title

(EP-666821)

Child resistant closure with recessed latch

Publication numbers

MY129972

KR100216714

BR9307310

DE69319442

ES2117711

DE69319442

EP0666821

CN1037950

SG46143

AU672005

EP0666821

JPH08502711

KR19950704163

KR950704163

EP0666821

TW242611

US5356017

CN1087867

AU4285993

CA2147997

WO94/10057

MX9302325

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2007-05-31

1999-09-01

1999-06-01

1998-11-05

1998-08-16

1998-08-06

1998-07-01

1998-04-08

1998-02-20

1996-09-19

1996-07-31

1996-03-26

1995-11-17

1995-11-17

1995-08-16

1995-03-11

1994-10-18

1994-06-15

1994-05-24

1994-05-11

1994-05-11

1994-04-29

Abstract

(EP0666821)

A child-resistant closure (20) with a base (24) having a deck (28) with a discharge aperture (40). A hinged lid (50) having a bottom surface for engaging the base. The base has an upwardly-projecting, resilient locking lever (70) which has a shoulder (72). The lid has an aperture (80) for receiving the lever when it is closed. The periphery of the lid includes finger-engaging surfaces (92) for use in opening the lid.

Images