

10 Documents

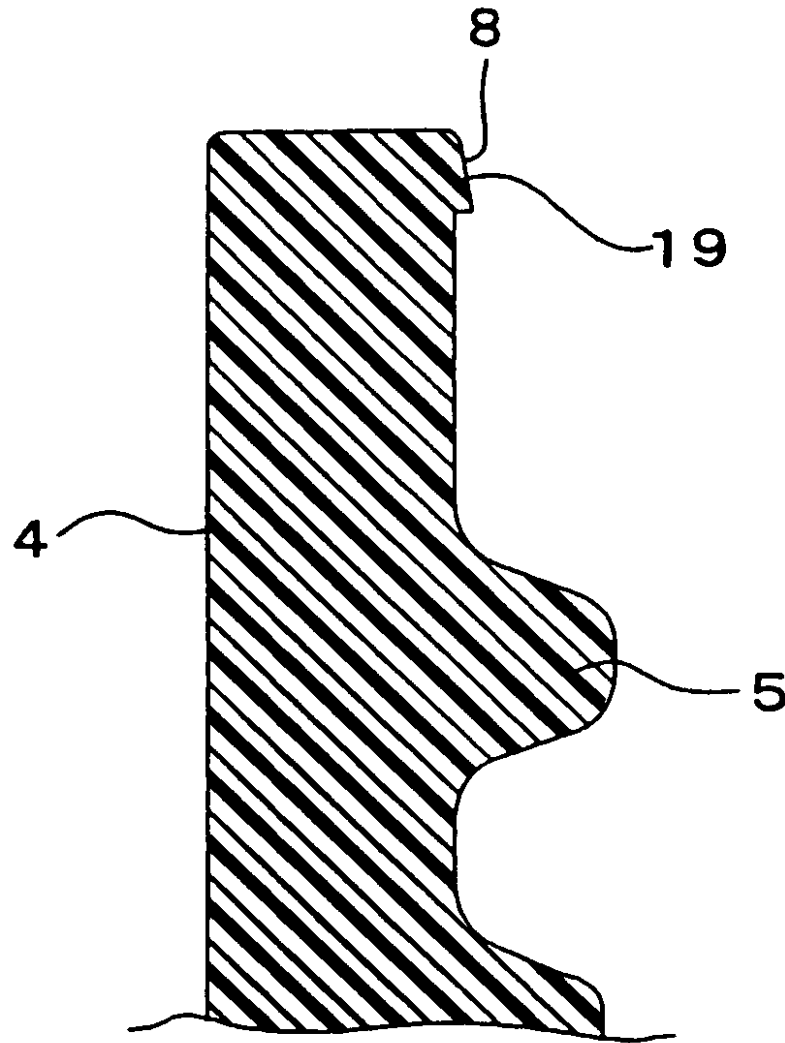
Publication numbers	Title	Current assignees
EP1457423 A1	Container main body made of synthetic resin and preforming mold device	YOSHINO KOGYOSHO
EP3059071 A1	Preform handling device, and blow forming device	NISSEI ASB MACHINE
EP1644257 A2	Method for the production of stopper capsules	AMCOR FLEXIBLES SPS
EP2202049 A1	Blow-moulding installation for fabricating a container from a preform	SIDEL PARTICIPATIONS
EP1334041 A1	Resealable gas impermeable sealing assembly	BAPCO CLOSURES RESEARCH
EP-775072 A1	Variable volume bottle	DEMEESTER, JACQUES HONORE MARIUS, ...
EP1446618 A1	Beverage cooling holder	SHIMAZAKI J, ...
EP3094914 A1	High-pressure composite vessel and the method of manufacturing high-pressure composite vessel	TECHPLAST SPOLKA Z O O
EP2082986 A1	A method of producing a beverage container	CARLSBERG BREWERIES
EP3582026 A1	Powder container and image forming apparatus	RICOH

Family 1/10 - FAMPAT - ©Questel

Title

(EP1457423)

Container main body made of synthetic resin and preforming mold device

Images**Publication numbers with kind code & date**

EP2325091	B1	2014-12-03	EP2325091
EP1457423	B1	2013-07-31	EP1457423
CA2712043	C	2013-06-25	CA2712043
EP2325091	A1	2011-05-25	EP2325091
CA2469034	C	2011-03-29	CA2469034
KR100943808	B1	2010-02-24	KR100943808
AU2002357595	B2	2009-05-28	AU2002357595
US7516861	B2	2009-04-14	US7516861
EP1457423	A4	2008-06-11	EP1457423
JP3994146	B2	2007-08-10	JP3994146



JP3994146	B2	2007-08-10	JP3994146				
CN1261329	C	2006-06-28	CN1261329C				
TWI247715	B	2006-01-21	TWI247715				
US20050103740	A1	2005-05-19	US20050103740				
EP1457423	A1	2004-09-15	EP1457423				
KR20040064217	A	2004-07-16	KR20040064217				
CN1505580	A	2004-06-16	CN1505580				
JP2003182713	A	2003-07-03	JP2003182713				
TW200301206	A	2003-07-01	TW200301206				
AU2002357595	A1	2003-06-30	AU2002357595				
CA2469034	A1	2003-06-26	CA2469034				
CA2712043	A1	2003-06-26	CA2712043				
WO03/051723	A1	2003-06-26	WO200351723				

Abstract

(EP1457423)

It is intended to provide a synthetic resin **bottle**, in which the stable no-leak condition can be maintained up to a certain cap-turning angle, and air-tightness of the **bottle** can be fully secured, even if the cap is falsely turned. The body 2 of the synthetic resin **bottle** is configured to have a smooth seal surface 8 with no irregularity over the entire circumference in the upper portion of the outer **neck** wall where no parting line is formed. In this configuration, a stable no-leak condition can be maintained up to a certain cap-turning angle, and air-tightness of the **bottle** can be fully secured, even if the cap is falsely turned. <IMAGE>

Inventors

ITOU K
HOSOKOSHIYAMA H
TSUTSUI NAOKI

Latest standardized assignees - inventors removed

YOSHINO KOGYOSHO

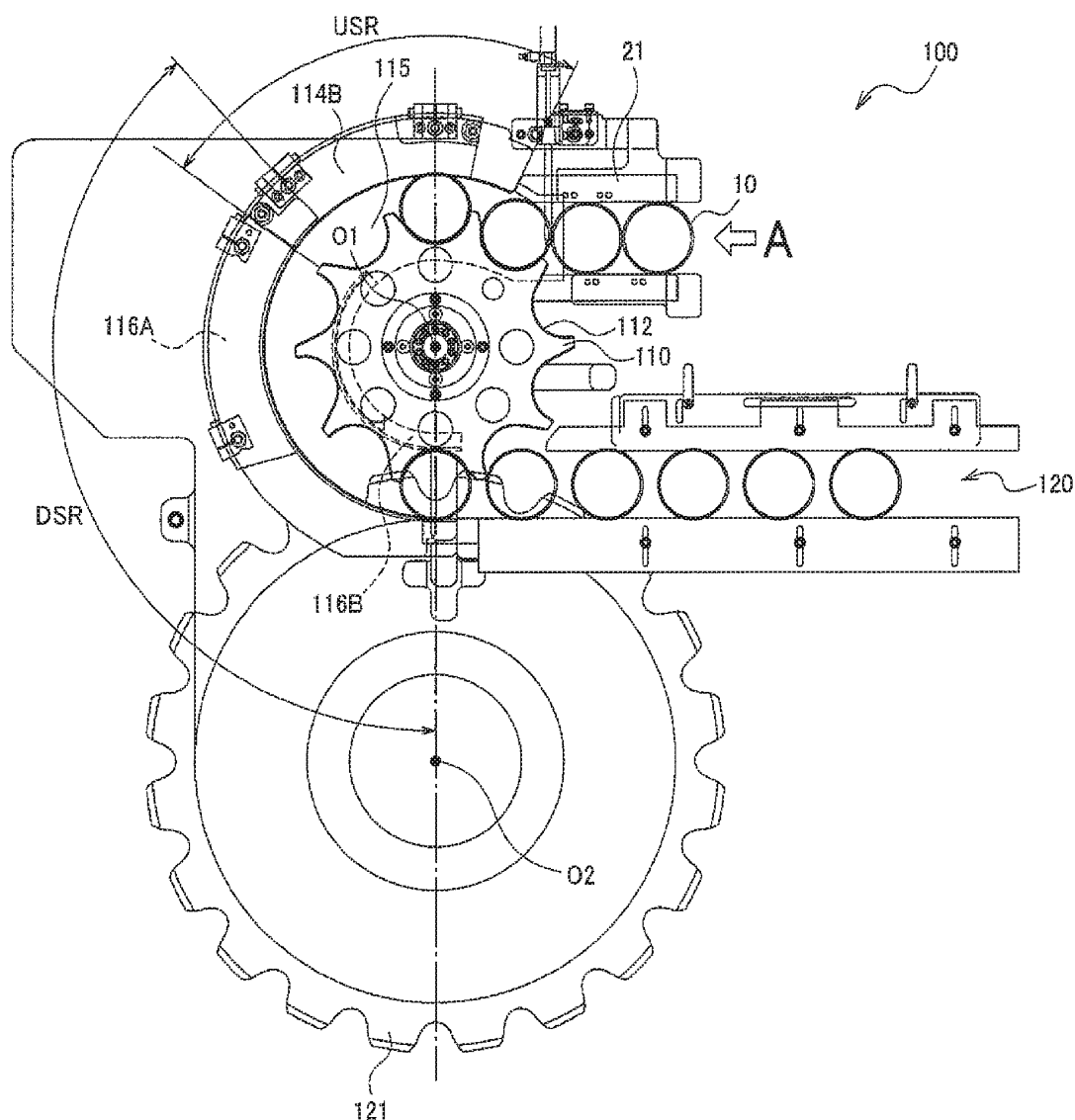
Family 2/10 - FAMPAT - ©Questel

Title

(EP3059071)

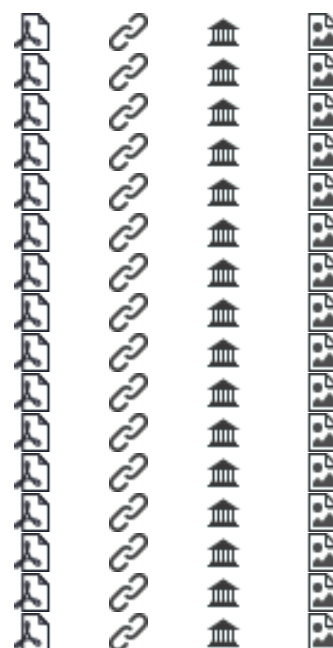
Preform handling device, and blow forming device

Images



Publication numbers with kind code & date

CN107718514	B	2019-12-06	CN107718514B
US10427350	B2	2019-10-01	US10427350
JP6561189	B2	2019-08-14	JP6561189
JP2019038266	A	2019-03-14	JP2019038266
US20190022916	A1	2019-01-24	US20190022916
JP6430389	B2	2018-11-28	JP6430389
EP3059071	B1	2018-09-26	EP3059071
US10065357	B2	2018-09-04	US10065357
CN107718514	A	2018-02-23	CN107718514
CN105636759	B	2017-11-28	CN105636759B
EP3059071	A4	2017-06-21	EP3059071
EP3059071	A1	2016-08-24	EP3059071
US20160221246	A1	2016-08-04	US20160221246
CN105636759	A	2016-06-01	CN105636759
JPWO2015056636	A1	2015-04-23	JP2015056636W
WO2015/056636	A1	2015-04-23	WO201556636



Abstract

(EP3059071)

A **preform** (10) is consecutively supplied to a **preform** handling device (110) in line along a chute (20). The **preform** has a

flange (13) that protrudes outward at a position away from an open end face (11A) of a neck (11), and is supplied in an inverted state in which the open end face faces downward. The preform handling device includes a star wheel (110) that is configured so that the preform is supplied to each of a plurality of depressions (112) that are formed in an outer circumferential part of a wheel that is rotated, and pushes part of the preform that is situated above the flange to rotationally transfer the preform from an upstream region (USR) to a downstream region (DSR), an end face guide member (115) that is provided in the upstream region so as to be situated under the preform that is transferred along a transfer path, the end face guide member supporting and guiding the open end face of the preform that is pushed by the star wheel, and a pair of flange guide members (116A, 116B) that are provided in the downstream region on either side of the transfer path along which the preform is transferred, the pair of flange guide members supporting and guiding a lower side of the flange of the preform that is pushed by the star wheel.

Inventors

TANABE YOSHIAKI

SAKURAI ATSUSHI

Latest standardized assignees - inventors removed

NISSEI ASB MACHINE

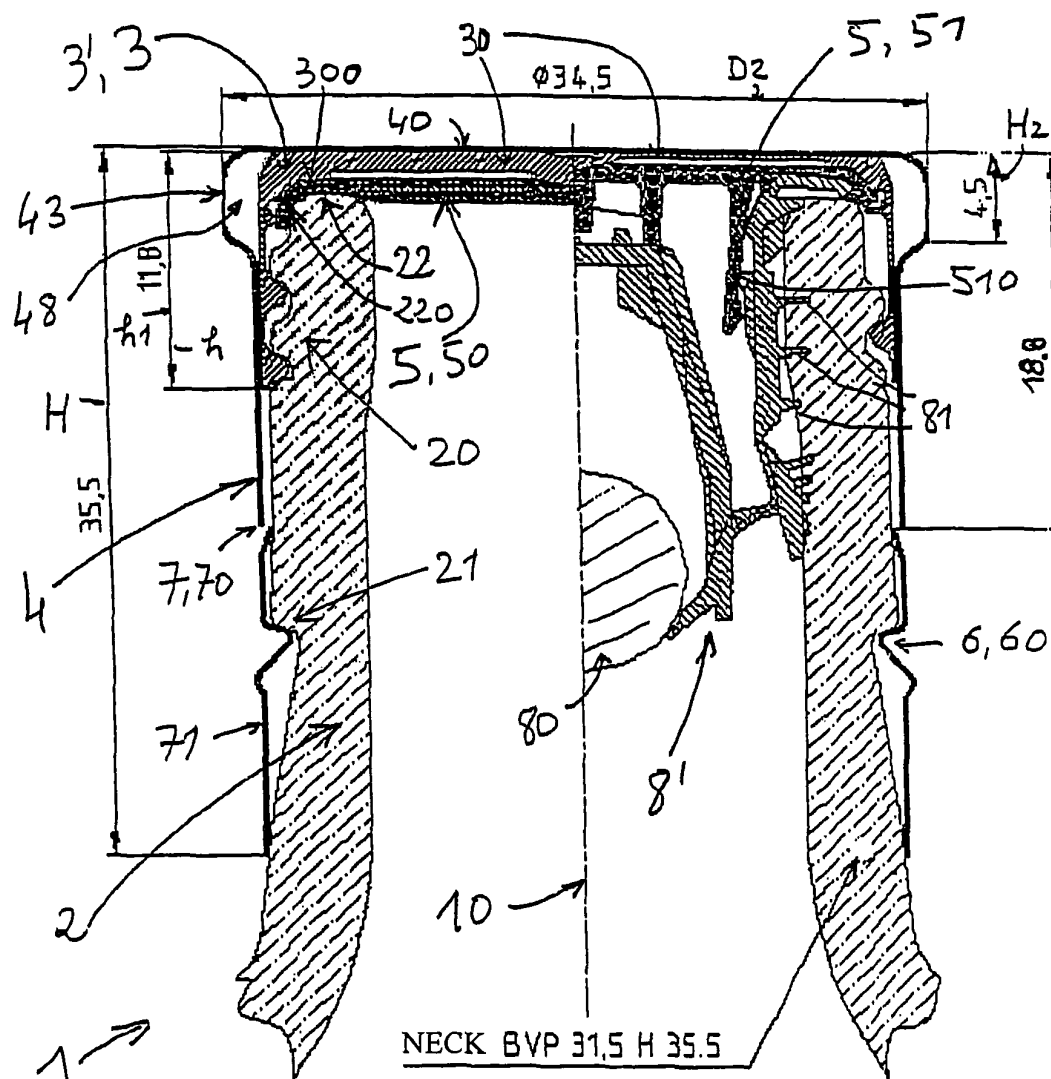
Family 3/10 - FAMPAT - ©Questel

Title

(EP1644257)

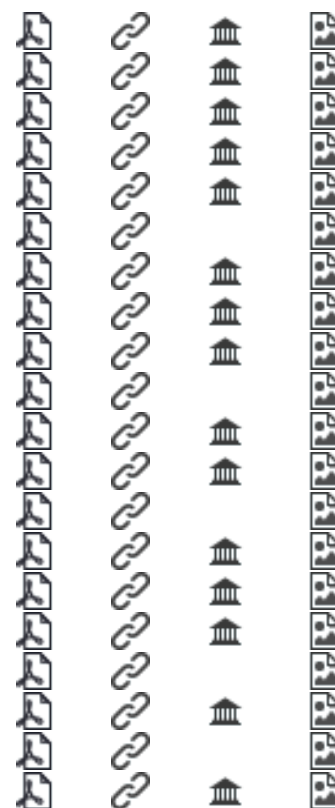
Method for the production of stopper capsules

Images

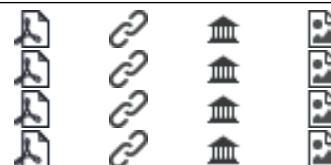


Publication numbers with kind code & date

BRPI0412108	B1	2018-05-08	BR200412108
NO337832	B1	2016-06-27	NO-337832
CA2524781	C	2012-05-22	CA2524781
US7922019	B2	2011-04-12	US7922019
ES2334354	T3	2010-03-09	ES2334354
PL1644257	T3	2010-02-26	PL1644257
NZ544048	A	2010-01-29	NZ-544048
AU2004261424	B2	2010-01-21	AU2004261424
DE602004023295	D1	2009-11-05	DE602004023295
AT443670	T	2009-10-15	ATE443670
EP1644257	B1	2009-09-23	EP1644257
US20070138125	A1	2007-06-21	US20070138125
ZA200509848	B	2007-03-28	ZA200509848
BRPI0412108	A	2006-08-15	BR200412108
FR2856982	B1	2006-04-28	FR2856982
EP1644257	A2	2006-04-12	EP1644257
MXPA05013280	A	2006-03-09	MX2005PA013280
NO20056244	L	2006-02-02	NO20056244
AR044982	A1	2005-10-12	AR--44982
WO2005/012126	A3	2005-06-09	WO200512126



AU2004261424	A1	2005-02-10	AU2004261424
CA2524781	A1	2005-02-10	CA2524781
WO2005/012126	A2	2005-02-10	WO200512126
FR2856982	A1	2005-01-07	FR2856982

**Abstract**

(EP1644257)

The screw capsule comprises two parts, a) an insert (3) with a so-called internal head (30) and an internally-threaded skirt (31) and b) a metallic shell (4), comprising an external head (40) and an external skirt (41), said capsule being typically provided with a sealing means (5), a tamper-protection means (6) and a means for first opening (7), characterised in that said external skirt (41) comprises at least one piece (42), typically cylindrical, of height (H1), diameter (D1) corresponding to the **neck** (2) for sealing and at least one radially-expanded section (43), of height (H2), within a circle of diameter $D2 > D1$, such as to form an annular radial cavity (48). The above offers the advantage that the expanded section (43) particularly facilitates the manipulation of said capsule (1) and the rotation thereof with relation to the **neck** (2) for opening/closing said container by unscrewing/screwing up said capsule (1) on said **neck** (2).

Inventors

GRANGER JACQUES

Latest standardized assignees - inventors removed

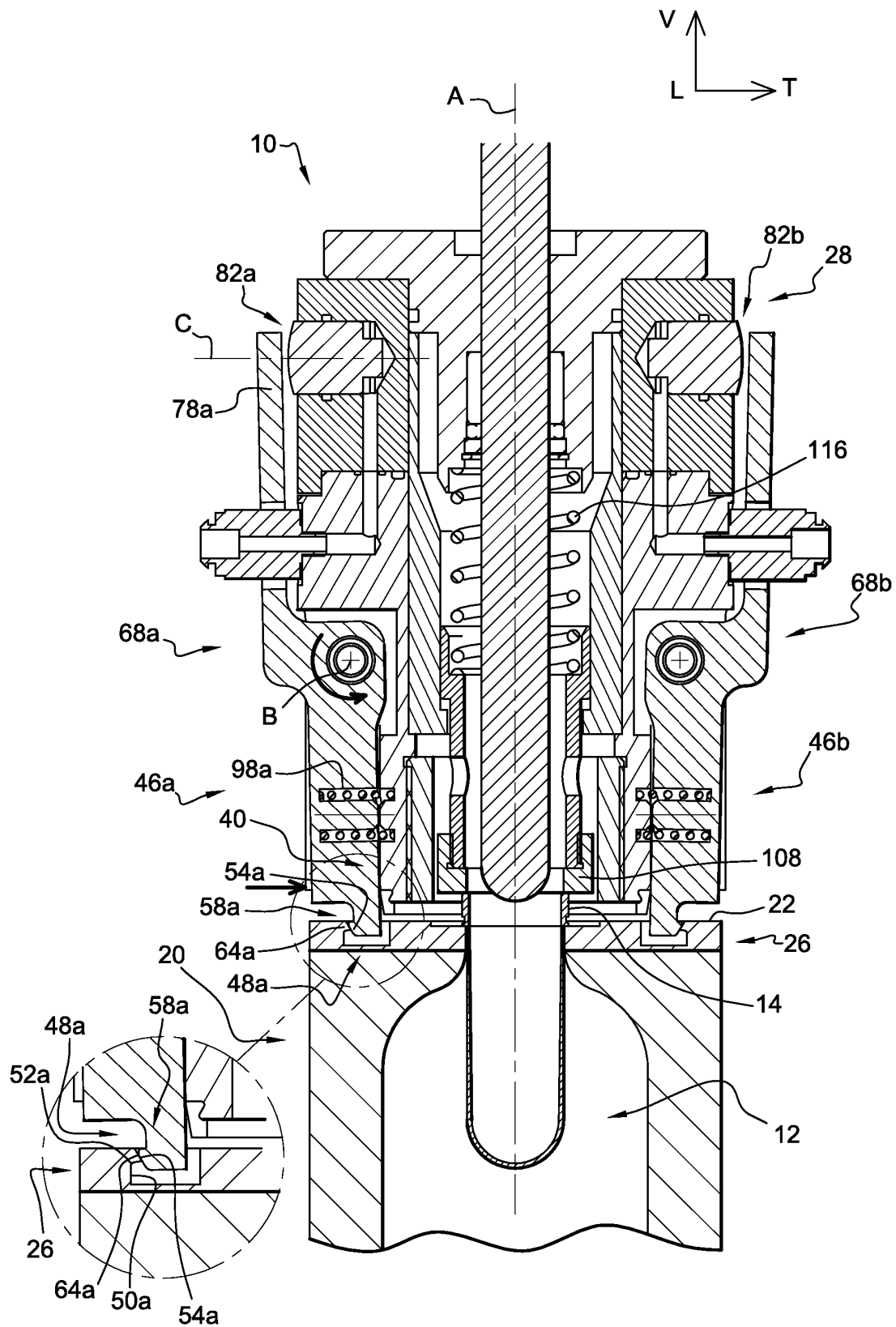
AMCOR FLEXIBLES SPS

Family 4/10 - FAMPAT - ©Questel

Title

(EP2202049)

Blow-moulding installation for fabricating a container from a **preform****Images**



Publication numbers with kind code & date

CN101774271	B	2013-04-10	CN101774271B
JP4988812	B2	2012-05-11	JP4988812
US8109756	B2	2012-02-07	US8109756
FR2940171	B1	2011-01-21	FR2940171
JP2010188718	A	2010-09-02	JP2010188718
CN101774271	A	2010-07-14	CN101774271
EP2202049	A1	2010-06-30	EP2202049



FR2940171	A1	2010-06-25	FR2940171
MX2009012557	A	2010-06-25	MX2009012557
US20100159058	A1	2010-06-24	US20100159058

**Abstract**

(EP2202049)

Blow-molding installation for fabrication of container e.g. **bottle**, has male element comprising actuating surface cooperating with matching control surface to mechanically force element towards locking position

The installation (10) has a blowing nozzle (28) mounted between a rest position in which the nozzle is arranged above a **neck** (14) of a blank (12). A locking device comprises locking unit (46a) to lock the nozzle and the mold. The locking unit includes a returning unit for returning a male element (58a) to locking position. The element comprises an actuating surface cooperating with a matching control surface to mechanically force the element towards a locking position. The element is returned automatically to the locking position when the nozzle occupies the blowing position.

Inventors

DOUDEMONT CHRISTOPHE

Latest standardized assignees - inventors removed

SIDEL PARTICIPATIONS

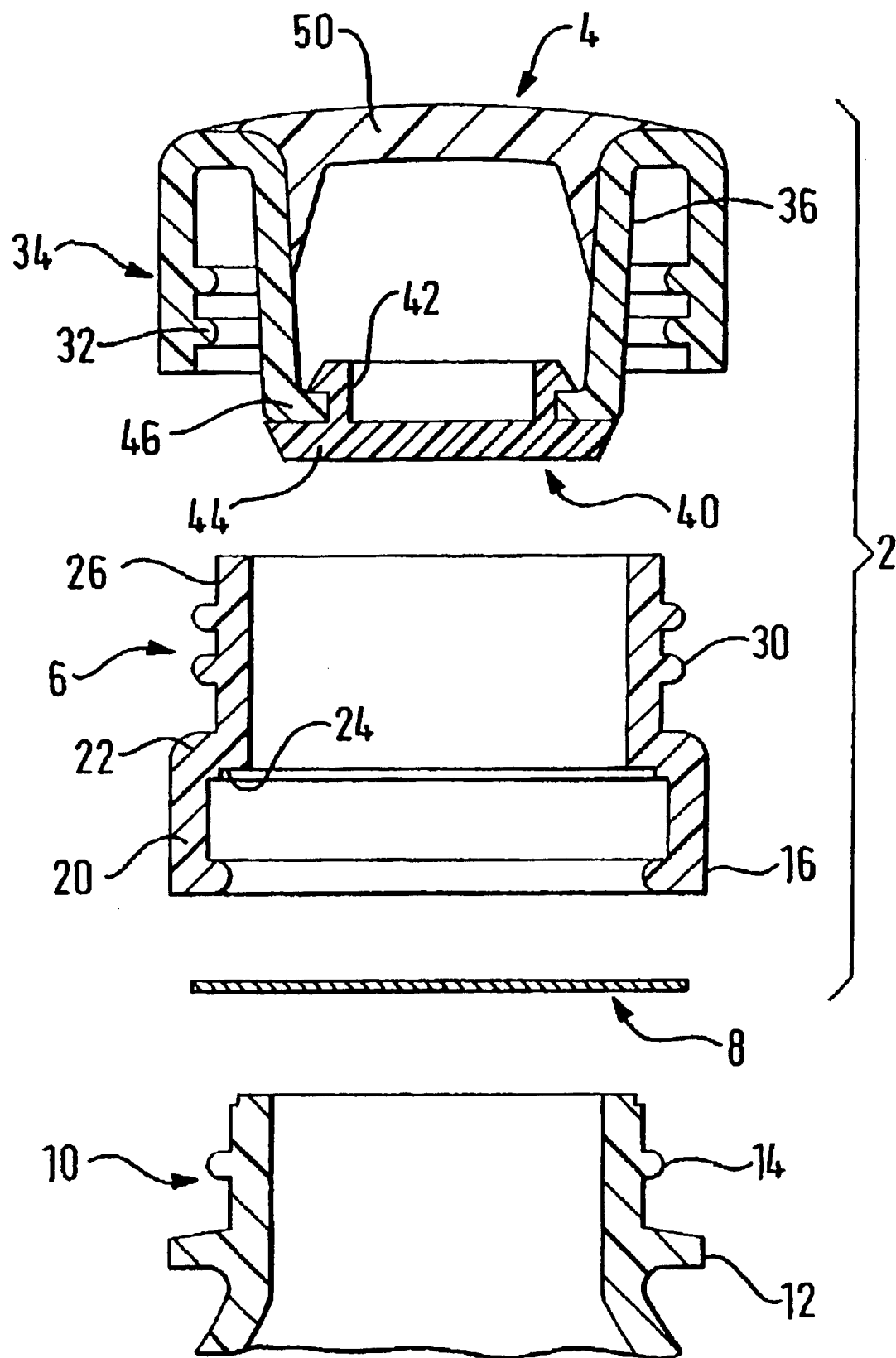
Family 5/10 - FAMPAT - ©Questel

Title

(EP1334041)

Resealable gas impermeable sealing assembly

Images



Publication numbers with kind code & date

[AU2001211579](#)

B2 2006-08-24

AU2001211579

[DE60022794](#)

T2 2006-07-20

DE60022794

[ES2248140](#)

T3 2006-03-16

ES2248140

[DK1334041](#)

T3 2006-01-02

DK1334041T

[RU2263617](#)

C2 2005-11-10

RU2263617



DE60022794	D1	2005-10-27	DE60022794				
VN0005157	B	2005-10-25	VN---5157B				
AT304977	T	2005-10-15	ATE304977				
EP1334041	B1	2005-09-21	EP1334041				
US6877630	B2	2005-04-12	US6877630				
NZ525258	A	2004-10-29	NZ-525258				
US20040200837	A1	2004-10-14	US20040200837				
EP1334041	A1	2003-08-13	EP1334041				
MXPA03003851	A	2003-07-28	MX2003PA003851				
AU1157901	A	2002-05-15	AU200111579				
WO02/36455	A1	2002-05-10	WO200236455				

Abstract

(EP1334041)

Larger gas tight containers for products such as carbonated or pressurised drinks require a resealable sealing assembly. The gas leakage through the assembly in its ex-factory sealing condition determines the shelf-life of the product. The present assembly provides a foil (8) across a **neck** (10) of the **bottle**. The foil is supported in the ex-factory sealing condition by a plate (4) of a plug (36) which depends from an over cap (4). The over cap is screwed to an outer wall of a tubular spout (6) that surrounds the **neck** (10) of the **bottle**. In the resealed condition the plug can be screwed deeper into the **neck** so that a secondary seal is formed between the plate and the **neck**.

Inventors

VON SPRECKELSEN HENNING

MC GEOUGH PETER MICHEAL

Latest standardized assignees - inventors removed

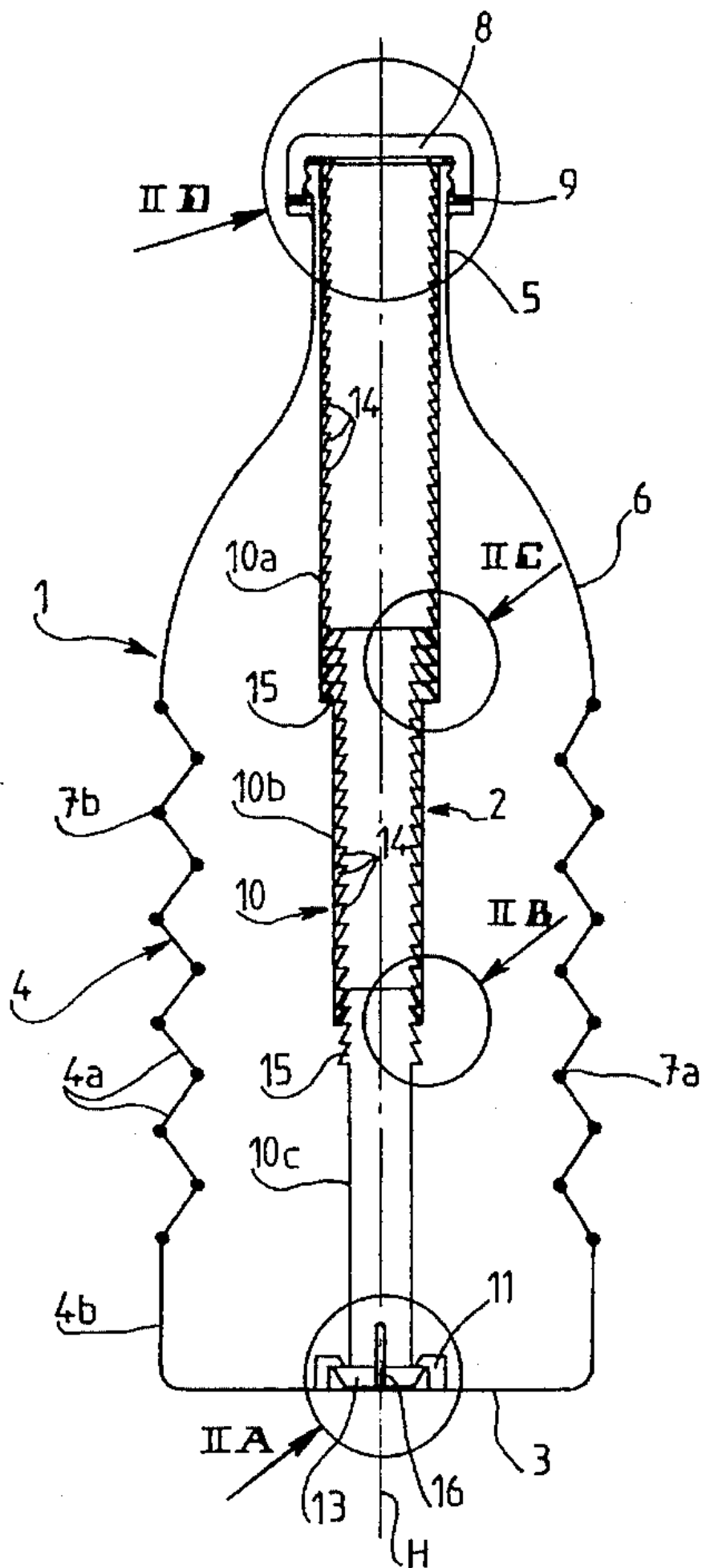
BAPCO CLOSURES RESEARCH

Family 6/10 - FAMPAT - ©Questel

Title

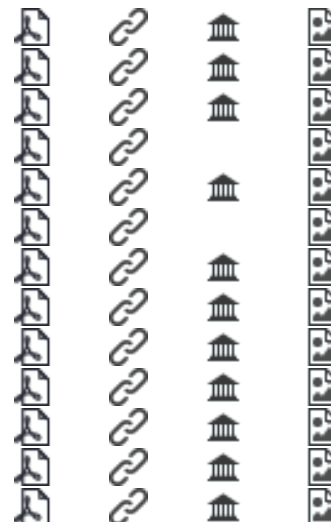
(EP-775072)

Variable volume **bottle****Images**



Publication numbers with kind code & date

DE69506263	T2	1999-06-24	DE69506263
ES2128755	T3	1999-05-16	ES2128755
DE69506263	D1	1999-01-07	DE69506263
AT173698	T	1998-12-15	ATE173698
EP0775072	B1	1998-11-25	EP-775072
MX9701033	A	1998-05-31	MX9701033
BR9508577	A	1997-11-25	BR9508577
CN1161673	A	1997-10-08	CN1161673
EP0775072	A1	1997-05-28	EP-775072
US5615791	A	1997-04-01	US5615791
AU3225695	A	1996-03-07	AU9532256
CA2197083	A1	1996-02-22	CA2197083
WO96/05114	A1	1996-02-22	WO9605114

**Abstract**

(EP0775072)

Bottle and associated device cooperating therewith. The invention comprises a variable volume **bottle** (1) whose outer lateral wall (4) is deformable heightwise (H). The **bottle** includes a device (2), as an integral part therein, that holds it in a succession of volume states, enabling it to be deformed gradually from a give volume state to a reduced volume state. The **bottle** of the invention is used particularly for fizzy drinks.

Inventors

VATELOT YVES

DEMEESTER JACQUES HONORE MARIU

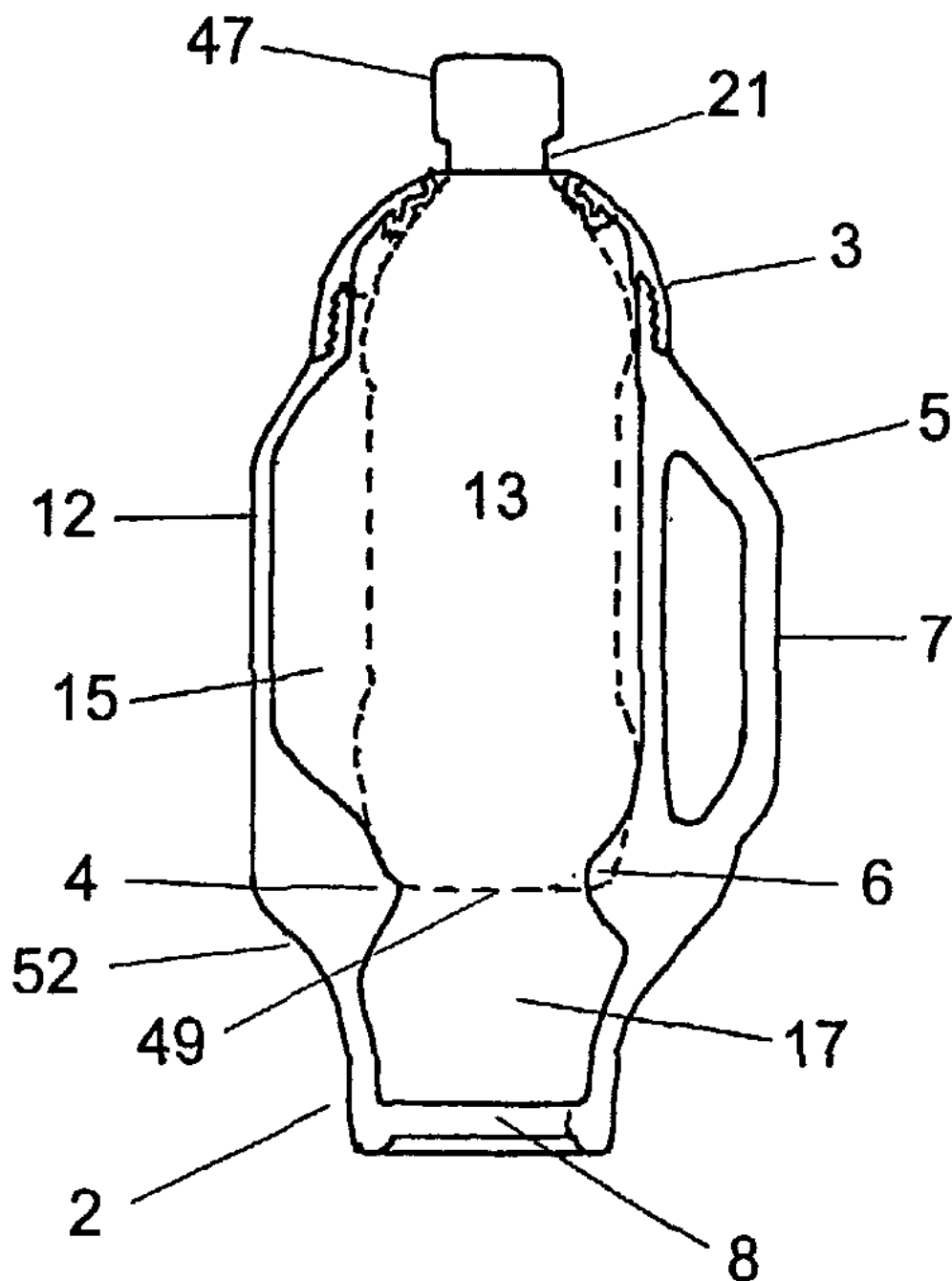
Family 7/10 - FAMPAT - ©Questel

Title

(EP1446618)

Beverage cooling holder

Images



Publication numbers with kind code & date

AU2002310203	B2	2007-04-05	AU2002310203
JP2005536705	A	2005-12-02	JP2005536705
MXPA04003802	A	2005-04-08	MX2004PA003802
TWI230248	B	2005-04-01	TWI230248
CN1575402	A	2005-02-02	CN1575402
BR0213507	A	2004-10-19	BR200213507
EP1446618	A1	2004-08-18	EP1446618
CA2464711	A1	2003-05-01	CA2464711
WO03/036204	A1	2003-05-01	WO200336204



Abstract

(EP1446618)

The invention comprises an outer container (12) for holding the ice and an inner container (13) for containing the beverage that can be positioned inside the outer container. The inner (13) and outer (12) containers have various engaging surfaces (4, 6) which allow them to be sealed together in a particular manner.

Inventors

SHIMAZAKI J JOHN

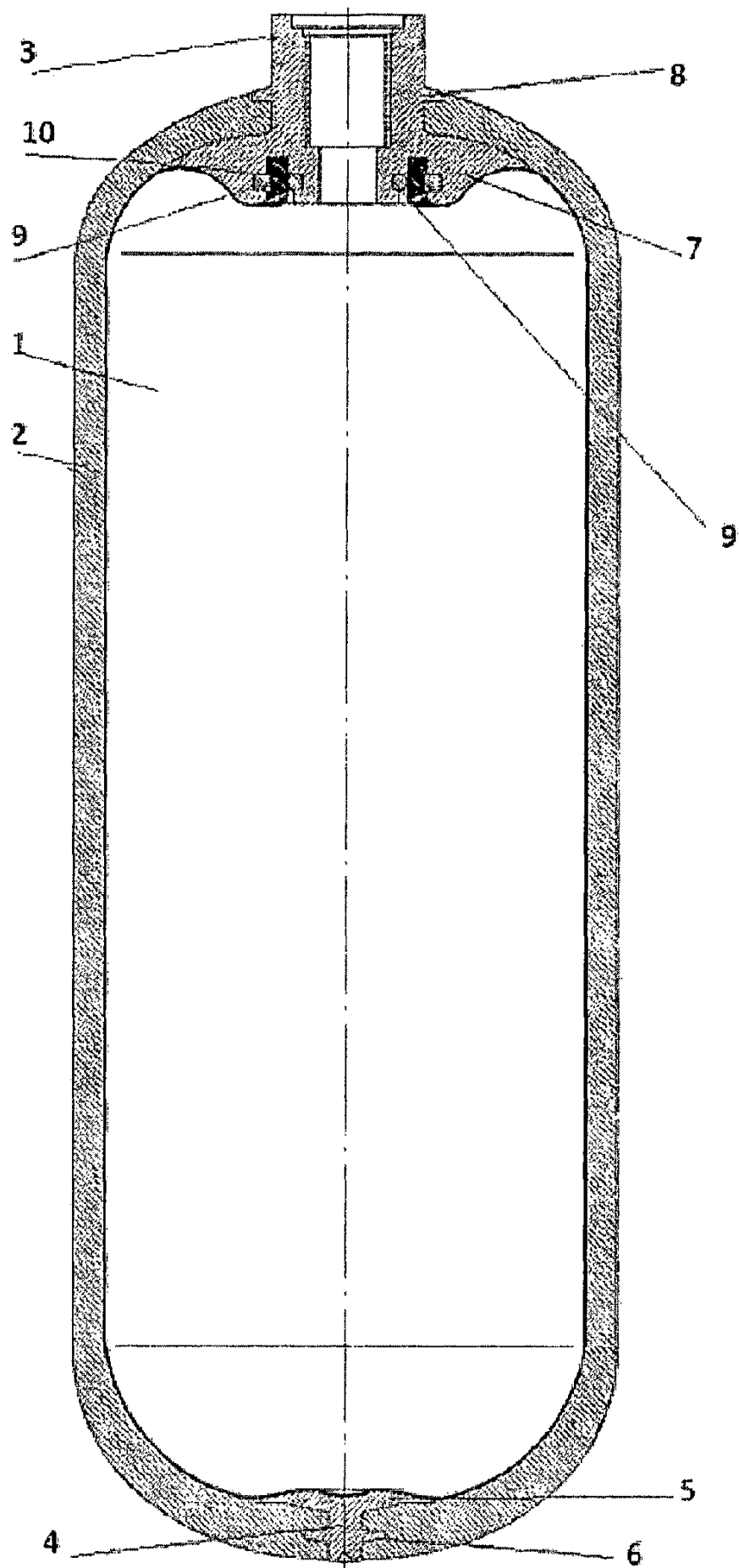
Family 8/10 - FAMPAT - ©Questel

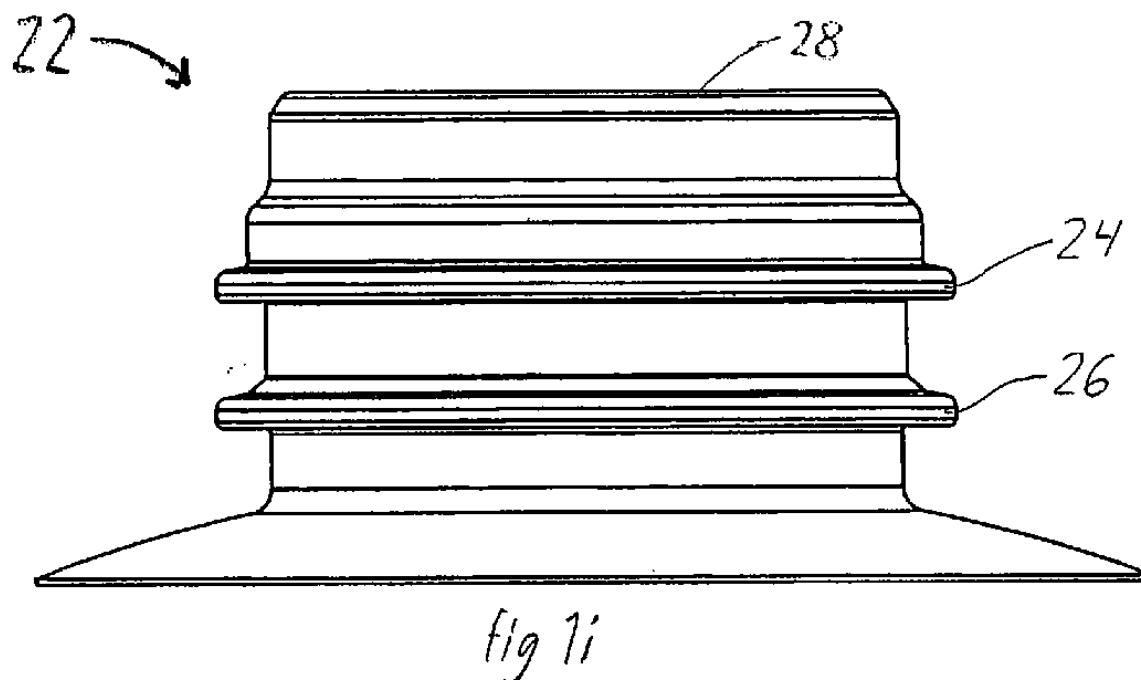
Title

(EP3094914)

High-pressure composite vessel and the method of manufacturing high-pressure composite vessel

Images





Publication numbers with kind code & date

DK2082987	T3	2012-12-10	DK2082987T
EP2082987	B1	2012-07-25	EP2082987
EP2082986	A1	2009-07-29	EP2082986
EP2082987	A1	2009-07-29	EP2082987



Abstract

(EP2082986)

A method of producing a beverage container for containing a carbonized beverage, the method comprising the steps: - providing a **preform** (20) having a specific shape encompassing; - an outer wall defining an elongated body (30) having a first end and a second end, said first end being closed and said second end being open and constituting a mouth (22), - a first flange (24) encircling said outer wall at said mouth part at a first distance from said mouth end, and - a second flange (26) encircling said outer wall of said mouth at a second distance from said mouth end, said method further comprising the steps of: - mounting said **preform** in a blow-moulding system, fixating said **preform** relating to said blow-moulding system by means of said second flange without significantly contacting said first flange, blow-moulding said **preform** into said beverage container while maintaining said **preform** in said blow-moulding system by means of said second flange and preventing mechanically contacting or influencing said first flange and having said first flange for fixating and sealing said beverage container in a beverage dispensing device.

Inventors

RASMUSSEN JAN NOERRAGER
VESBORG STEEN

Latest standardized assignees - inventors removed

CARLSBERG BREWERIES

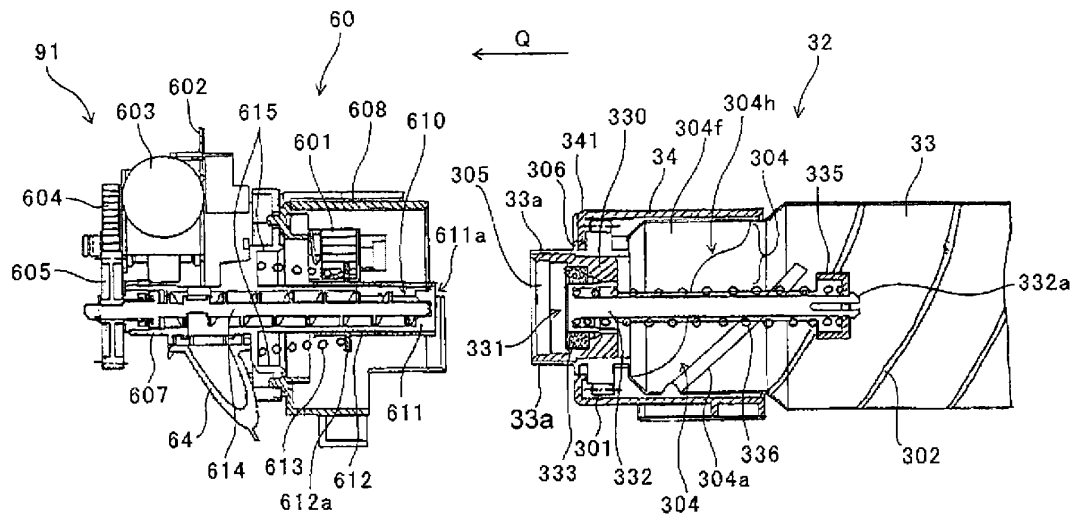
Family 10/10 - FAMPAT - ©Questel

Title

(EP3582026)

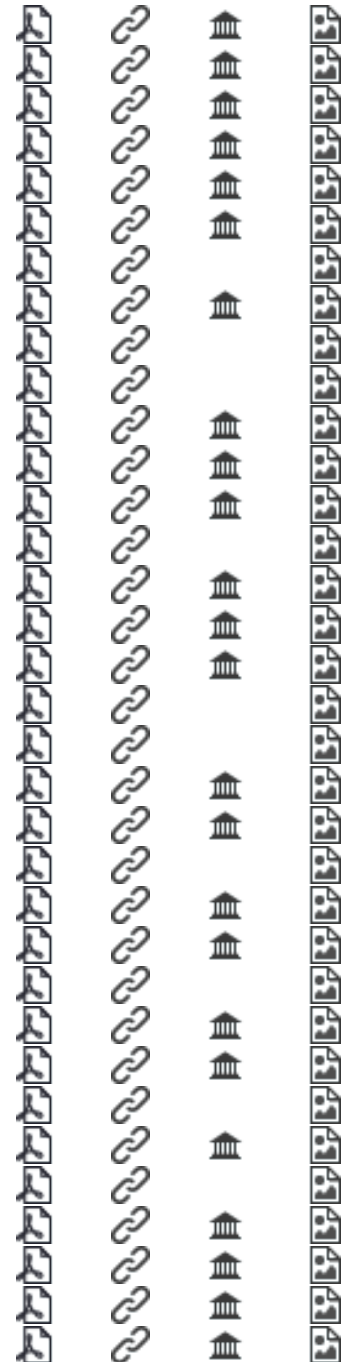
Powder container and image forming apparatus

Images



Publication numbers with kind code & date

EP2783259	B1	2020-01-15	EP2783259
EP3582026	A1	2019-12-18	EP3582026
JP6541042	B2	2019-07-10	JP6541042
JP2019109551	A	2019-07-04	JP2019109551
TW201925931	A	2019-07-01	TW201925931
TWI661282	B	2019-06-01	TWI661282
RU2690227	C1	2019-05-31	RU2690227
US20190079432	A1	2019-03-14	US20190079432
KR10-2019-0026968	A	2019-03-13	KR20190026968
KR10-1956851	B1	2019-03-12	KR101956851
TW201901316	A	2019-01-01	TW201901316
US10156810	B2	2018-12-18	US10156810
TWI639902	B	2018-11-01	TWI639902
RU2670209	C1	2018-10-19	RU2670209
CN108062016	A	2018-05-22	CN108062016
CN108051988	A	2018-05-18	CN108051988
JP2018036676	A	2018-03-08	JP2018036676
KR20180017221	A	2018-02-20	KR20180017221
KR101828735	B1	2018-02-12	KR101828735
CN104067180	B	2018-02-02	CN104067180B
JP6256816	B2	2018-01-10	JP6256816
RU2640104	C1	2017-12-26	RU2640104
TW201741785	A	2017-12-01	TW201741785
TWI598708	B	2017-09-11	TWI598708
MX349424	B	2017-07-28	MX-349424
JP2017116953	A	2017-06-29	JP2017116953
BR112014012693	A2	2017-06-27	BR112014012693
TH163467	A	2017-06-15	TH-163467
US20170108799	A1	2017-04-20	US20170108799
SG10201700823X	A	2017-03-30	SG10201700823X
CA2856903	C	2017-03-21	CA2856903
JP6098946	B2	2017-03-03	JP6098946
US9581937	B2	2017-02-28	US9581937
TW201701087	A	2017-01-01	TW201701087



KR101679162	B1	2016-12-06	KR101679162				
KR101677816	B1	2016-11-29	KR101677816				
KR20160134877	A	2016-11-23	KR20160134877				
TWI559104	B	2016-11-21	TWI559104				
US9482988	B2	2016-11-01	US9482988				
RU2593823	C2	2016-08-10	RU2593823				
US20160161885	A1	2016-06-09	US20160161885				
RU2014125562	A	2015-12-27	RU2014125562				
KR20150138432	A	2015-12-09	KR20150138432				
ZA201403790	B	2015-11-25	ZA201403790				
JP5822128	B2	2015-10-16	JP5822128				
JP5822129	B2	2015-10-16	JP5822129				
IN1150KON2014	A	2015-09-04	IN2014KN01150				
AU2012341396	B2	2015-08-13	AU2012341396				
SG10201502306R	A	2015-05-28	SG10201502306R				
HK1198487	A1	2015-05-08	HK1198487				
EP2783259	A4	2015-04-29	EP2783259				
TW201447516	A	2014-12-16	TW201447516				
TWI461863	B	2014-11-21	TWI461863				
BR112014012693	A1	2014-10-21	BR112014012693				
EP2783259	A1	2014-10-01	EP2783259				
CN104067180	A	2014-09-24	CN104067180				
US20140270859	A1	2014-09-18	US20140270859				
JP2014157371	A	2014-08-28	JP2014157371				
VN38932	A	2014-08-25	VN--38932				
KR20140100941	A	2014-08-18	KR20140100941				
SG11201402470P	A	2014-06-27	SG11201402470P				
MX2014006193	A	2014-06-23	MX2014006193				
JP2014112120	A	2014-06-19	JP2014112120				
JP2014112189	A	2014-06-19	JP2014112189				
AU2012341396	A1	2014-06-12	AU2012341396				
JP5553252	B2	2014-06-06	JP5553252				
JP5435380	B1	2013-12-20	JP5435380				
TW201331726	A	2013-08-01	TW201331726				
JP2013113945	A	2013-06-10	JP2013113945				
JP2013113946	A	2013-06-10	JP2013113946				
CA2856903	A1	2013-05-30	CA2856903				
CA2928597	A1	2013-05-30	CA2928597				
CA3039367	A1	2013-05-30	CA3039367				
WO2013/077474	A1	2013-05-30	WO201377474				

Abstract

(EP3582026)

A powder container that is removably attachable to an image forming apparatus and that includes a container body, including a container opening in a first end and containing image forming powder; a conveyor, arranged inside the container body, to convey the powder from a second end of the container body to the first end along a longitudinal direction of the container body; a nozzle receiver, arranged in the container opening and including a nozzle receiving opening to receive a powder conveying nozzle of the image forming apparatus, to guide the powder conveying nozzle to the inside of the container body; and a scooping portion, scooping up the powder received from the conveyor with the rotation of the scooping portion, to move the powder to a powder receiving opening of the powder conveying nozzle. The nozzle receiving opening is arranged on the inner bottom of the container opening.

Inventors

HOSOKAWA HIROSHI

KATO SHUNJI

TAMAKI SHINJI

IKEGUCHI HIROSHI

TERAZAWA SEIJI

YAMABE JUNJI

MITSUISHI KAORI

TOMOTAKA TOSHIHIDE

WATANABE TSUNEHIRO

KIKUCHI KENJI

Latest standardized assignees - inventors removed

RICOH